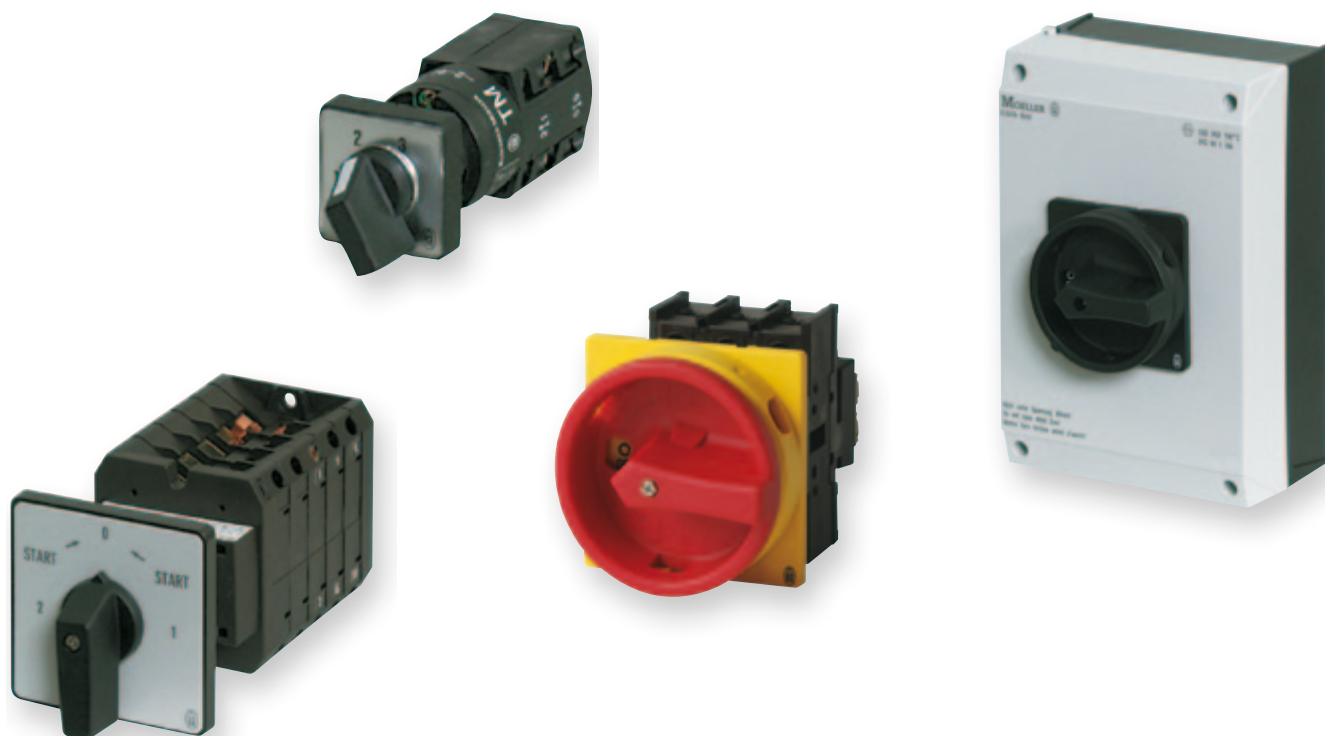




# T Cam switches

## P Switch-disconnectors up to 315 A

The high performance and robust cam switch and switch-disconnector are used in industry, manual applications and building services management. Ten basic switch types in four different construction types can be selected in a multitude of standard contact sequences and a wide performance range.



### **T/TM Cam switches**

Performance up to 10/132 kW +++ Non-standard switches possible (see Online Catalog) +++ Several construction types

### **P switch-disconnectors**

Performance up to 110 kW and 315 A +++ Switches up to 100 A (P1, P3) in housing IP65 +++ Four construction types

### **Switch for ATEX Zone 22**

T Cam switches +++ Switch-disconnector up to 100 A (P1, P3) +++ IP65 Protection type

# Cam switches, switch-disconnectors up to 315 A

## Cam switches, switch-disconnectors

### Technical overview

|                                    |     |
|------------------------------------|-----|
| Cam switches, switch-disconnectors | 4/2 |
|------------------------------------|-----|

### System overview

|                      |     |
|----------------------|-----|
| Cam switches         | 4/4 |
| Switch-disconnectors | 4/6 |

### Description

|                                     |     |
|-------------------------------------|-----|
| Key to part numbers, modular system | 4/8 |
|-------------------------------------|-----|

### Ordering

|                                                                                                                          |      |
|--------------------------------------------------------------------------------------------------------------------------|------|
| Switch-disconnectors, main switches<br>maintenance/manual override switches                                              | 4/10 |
| Switch-disconnectors – On-Off switches                                                                                   | 4/22 |
| Switch-disconnectors – safety switches                                                                                   | 4/30 |
| Switch-disconnectors – changeover switches                                                                               | 4/32 |
| Switch-disconnectors – reversing switches                                                                                | 4/38 |
| Switch-disconnector - (reversing) star-delta<br>switches, reversing multi-speed switch                                   | 4/38 |
| Switch-disconnectors – multi-speed switches                                                                              | 4/40 |
| Control switches - step switches                                                                                         | 4/42 |
| Control switches - On-Off switches                                                                                       | 4/46 |
| Control switches - changeover switches,<br>manual/automatic switches                                                     | 4/48 |
| Control switches – On switches                                                                                           | 4/50 |
| Universal control switches                                                                                               | 4/52 |
| Control switches - instrument switches                                                                                   | 4/54 |
| Switch with locking mechanism                                                                                            | 4/56 |
| Main switch assembly kits, thumb-grips,<br>maintenance key                                                               | 4/58 |
| Front plates                                                                                                             | 4/59 |
| Add-on front plates                                                                                                      | 4/60 |
| Key operation, locking interlock                                                                                         | 4/62 |
| Neutral conductor, auxiliary contact,<br>centre mounting accessories,<br>service distribution board mounting accessories | 4/64 |
| Coupling drive, interlock parts, shaft extension                                                                         | 4/65 |
| Shrouds, keys                                                                                                            | 4/66 |
| Accessories                                                                                                              | 4/67 |
| Non-standard switches                                                                                                    | 4/79 |

### Technical data

|                                          |      |
|------------------------------------------|------|
| Switch-disconnectors                     | 4/89 |
| Switch-disconnectors, auxiliary contacts | 4/92 |
| Cam switch                               | 4/94 |

### Dimensions

|                                    |       |
|------------------------------------|-------|
| Cam switches, switch-disconnectors | 4/100 |
|------------------------------------|-------|

## Mini rotary switches

### Technical overview

|                      |     |
|----------------------|-----|
| Mini rotary switches | 4/2 |
|----------------------|-----|

### Description

|                                     |     |
|-------------------------------------|-----|
| Key to part numbers, modular system | 4/9 |
|-------------------------------------|-----|

### System overview

|                      |      |
|----------------------|------|
| Mini rotary switches | 4/68 |
|----------------------|------|

### Ordering

|                                                                                                |      |
|------------------------------------------------------------------------------------------------|------|
| Control circuit isolator, ON/OFF switches                                                      | 4/60 |
| Changeover switches                                                                            | 4/71 |
| Hand/Auto switches                                                                             | 4/72 |
| Control switch - step switch                                                                   | 4/72 |
| Control switches - group switches,<br>ON/ OFF switches, reversing switches,<br>coding switches | 4/75 |
| Locks, front plates                                                                            | 4/77 |
| Non-standard switches                                                                          | 4/83 |

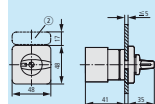
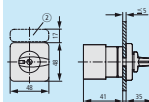
### Technical data

|                      |      |
|----------------------|------|
| Mini rotary switches | 4/99 |
|----------------------|------|

### Dimensions

|                      |       |
|----------------------|-------|
| Mini rotary switches | 4/111 |
|----------------------|-------|

## CI-K and CI basic enclosures and small enclosures 20/92



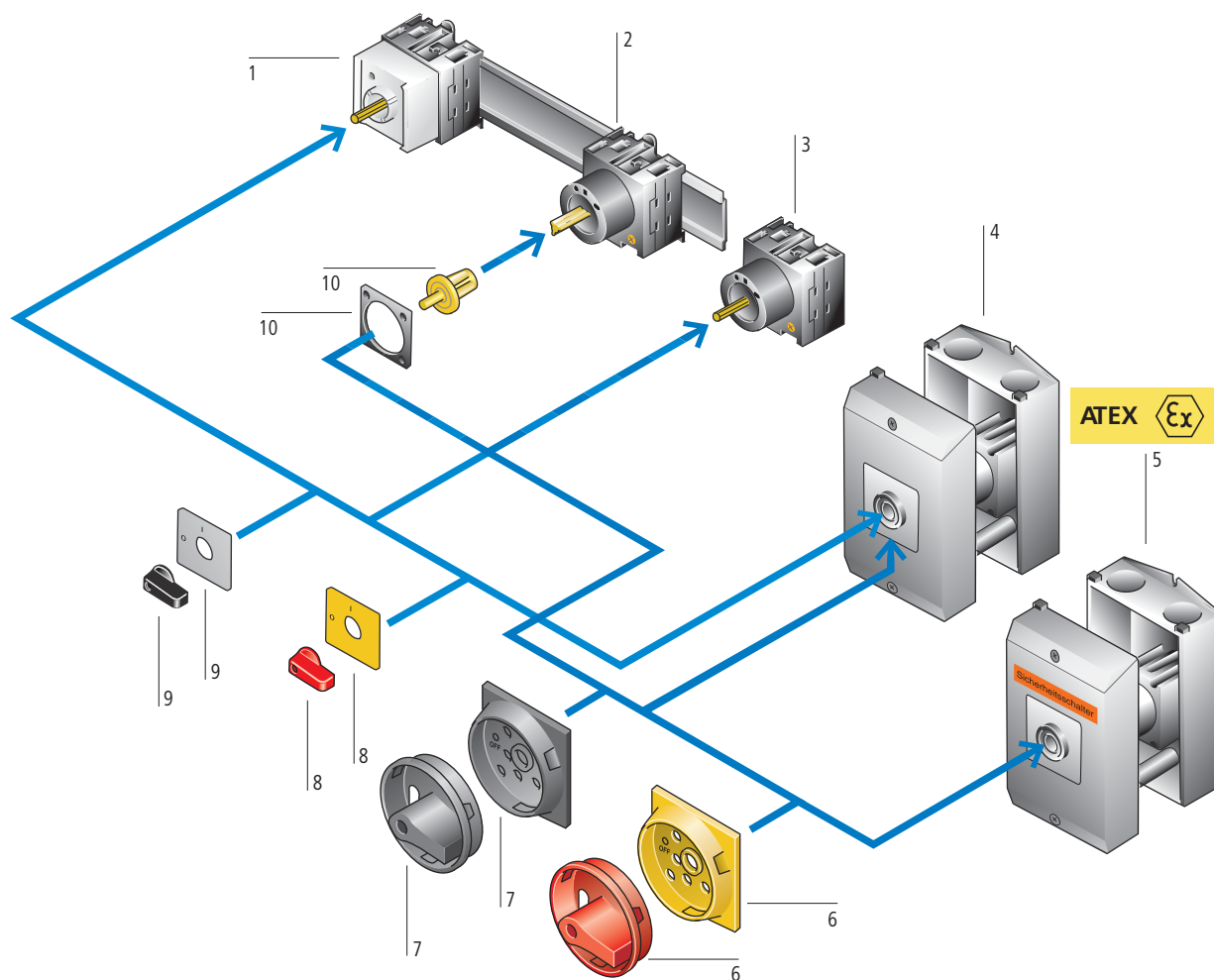


**T, P, TM**

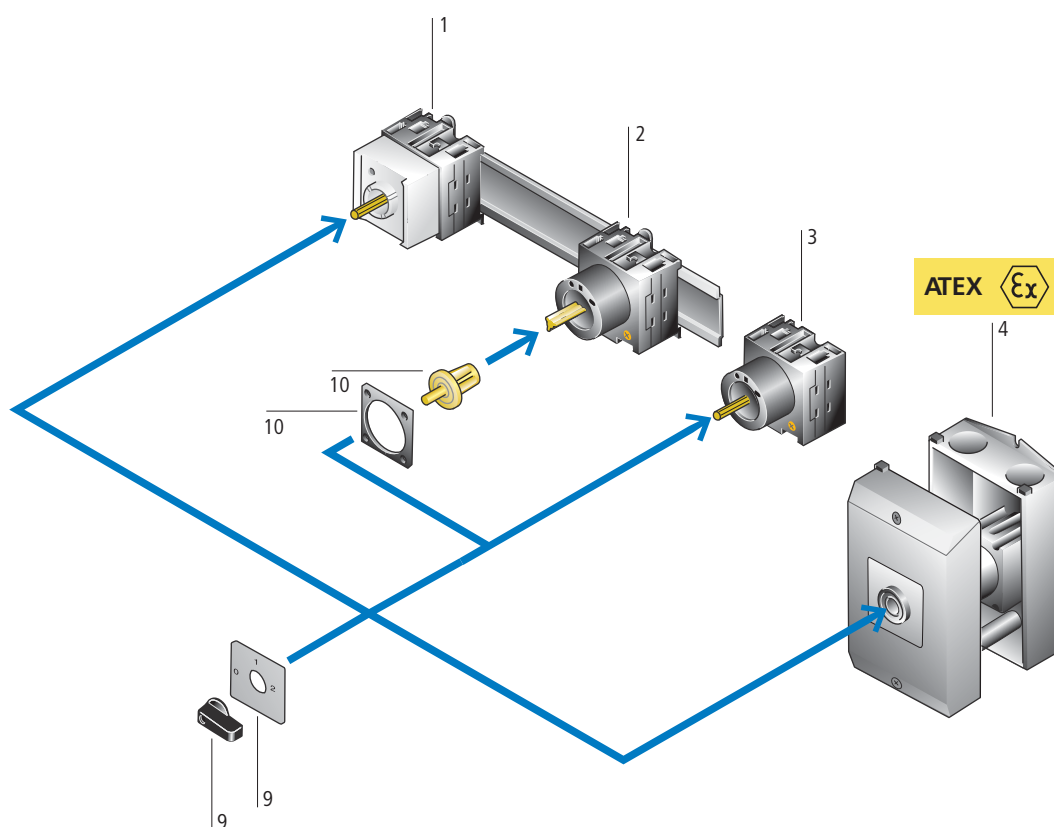


**System overview**

ON-OFF switches T0, T3, T5B, T5



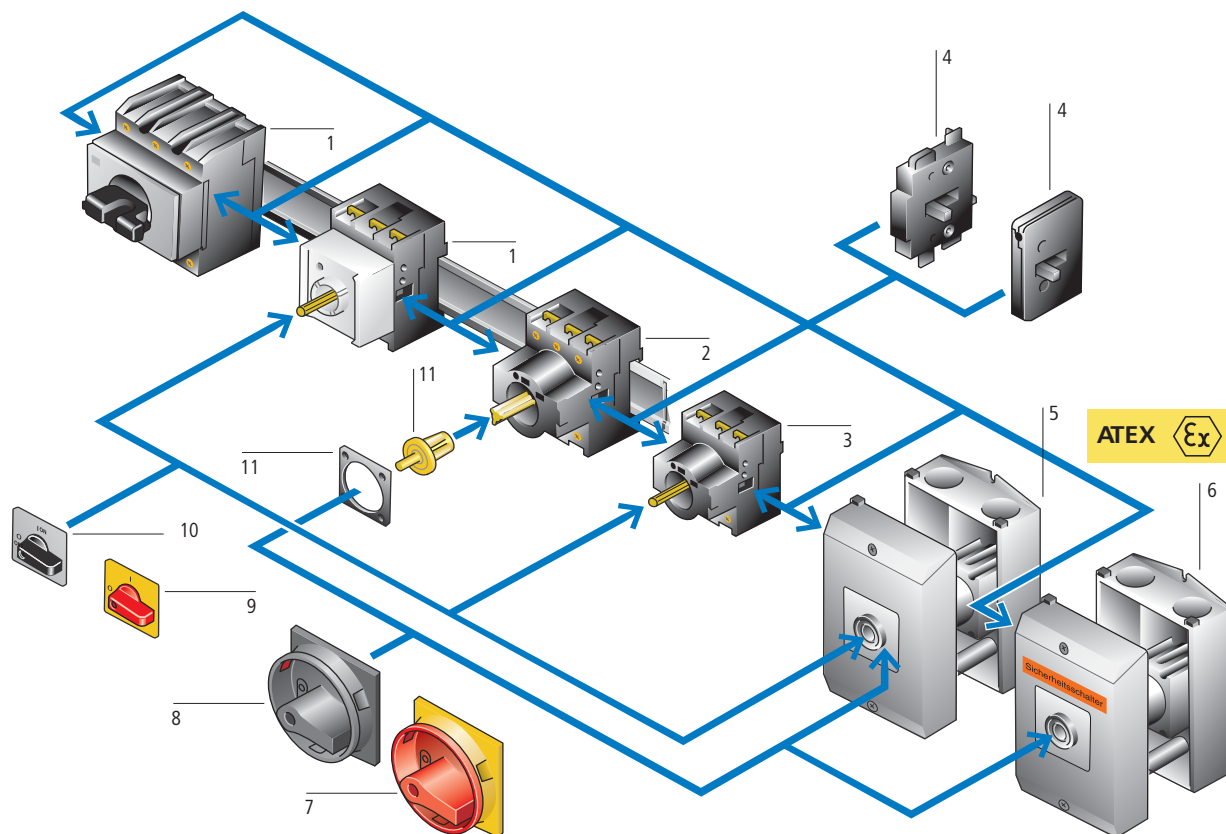
Control switches T0, T3, T5B, T5



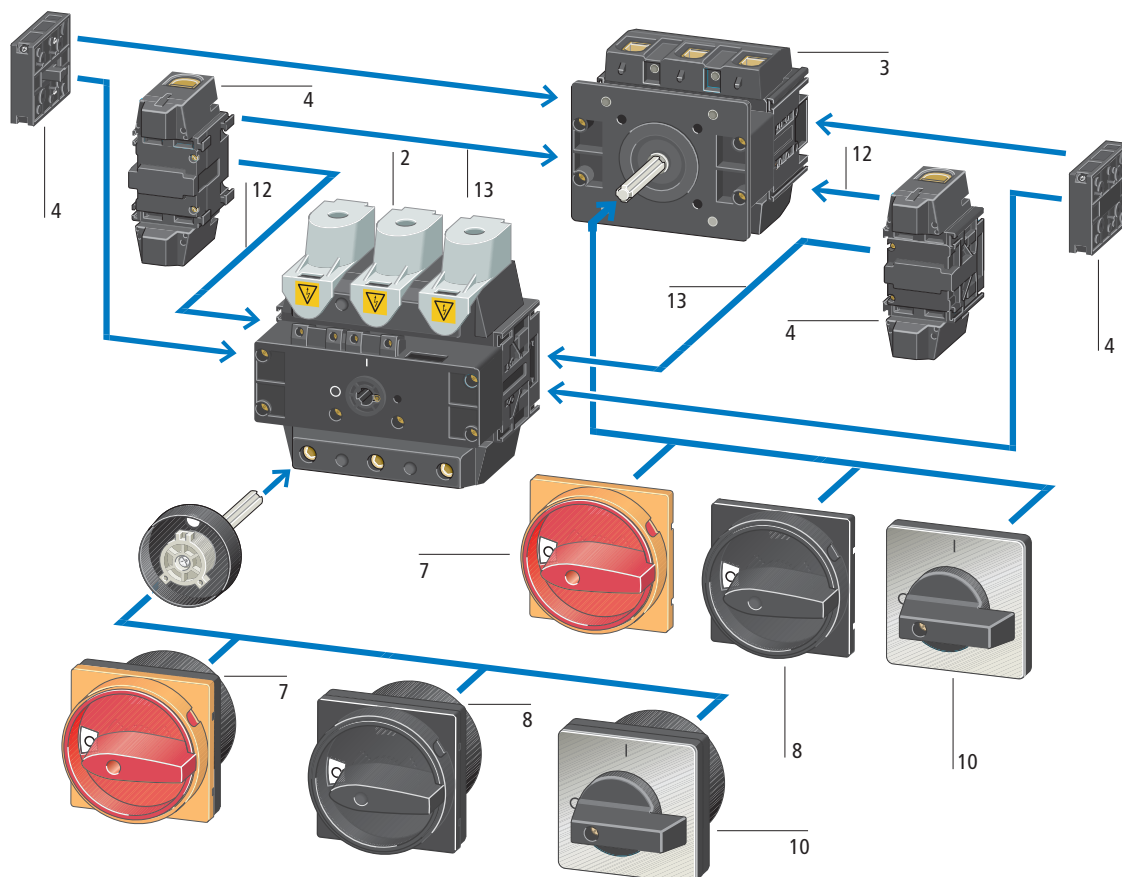
|                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Service distribution board mounting (.../IVS)</b> 1<br>Front IP30<br>Can be snapped onto top-hat rail as per IEC/EN 60715 (only T0 and T3)<br>Mounting <ul style="list-style-type: none"> <li>In service distribution board up to 3 contact units (45 mm mounting depth)</li> <li>In control panel up to 11 contact units</li> </ul> → Page 4/22                                                                                     | <b>Flush mounting main switch (.../EA/SVB)</b> 3<br>Front IP65<br>To IEC/EN 60204, VDE 0113 and IEC/EN 60947-3,<br>For T0...: up to 8 contacts;<br>For T3...: up to 12 contacts<br>N and PE terminal<br>→ Page 4/10<br><b>Center mounting (.../EZ)</b> 3<br>Front IP65<br>Mounted in Ø 22.3 fixing hole to IEC/EN 60947-5-1<br>"One man mounting" by center fixing<br>→ Page 4/22 | <b>Surface mounting main switch (.../I...)</b> 4<br>IP65<br><div>totally insulated</div><br>To IEC/EN 60204, VDE 0113 and IEC/EN 60947-3,<br>For T0...: up to 8 contacts;<br>For T3...: up to 10 contacts<br>Position 0 lockable with 3 padlocks<br>Enclosures for metric cable glands to EN 50262<br>With an additional terminal<br>→ Page 4/10                                            | <b>Main switch (kit) for use as emergency switching off device</b> 6<br>To IEC/EN 60204-1, VDE 0113 part 1<br>With red rotary handle and yellow locking collar<br>Lockable in the 0 (Off) position<br>→ Page 4/58                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Rear mounting (.../Z)</b> 2<br>Front IP65<br>Fixing: optionally with screw fixing or snap fitting, only T0 und T3<br>For snap fitting to IEC/EN 60715 top-hat rail<br>Drive coupling in door or cover<br>Connection from front<br>→ Page 4/22                                                                                                                                                                                        | <b>Surface mounting (.../I...)</b> 4<br>IP65<br><div>totally insulated</div><br>With an additional terminal<br>Enclosures for metric cable glands to EN 50262<br>→ Page 4/22                                                                                                                                                                                                      | <div>ATEX</div> <div>Ex</div><br>→ Page 4/58<br><b>Safety switch (.../I...)</b> 5<br>IP65<br><div>totally insulated</div><br>With an additional terminal<br>With cover fixing in 0 position<br>Position 0 lockable with 3 padlocks<br>Enclosures for metric cable glands to EN 50262<br>"Safety Switch" label; color: orange<br>→ Page 4/30<br><div>ATEX</div> <div>Ex</div><br>→ Page 4/58 | <b>Main switch (kit)</b> 7<br>Black rotary handle and locking collar<br>Lockable in the 0 position<br>→ Page 4/58<br><b>Thumb-grip, for use as emergency switching off device</b> 8<br>To IEC/EN 60204-1, VDE 0113 part 1<br>Red thumb-grip and yellow front plate<br>→ Page 4/58<br><b>Thumb-grip</b> 9<br>Black thumb-grip with front plate<br>→ Page 4/58<br><b>Coupling drive</b> 10<br>Including push-fit shaft<br>For the retrofitting of switch T0(T3)-.../XZ as rear mounting, spare part for T0(T3)/(P1)-.../Z<br>For the conversion of T5(B)-.../E flush mounting switch to rear mounting, spare part for T5(B)/(P3)-...Z<br>→ Page 4/65<br><b>Note:</b><br>Cam switches T5 and T5B are only available with screw connections for fixing on a mounting plate. |
| <b>Rear mounting main switch (.../V/SVB)</b> 2<br>Front IP65<br>To IEC/EN 60204, VDE 0113 and IEC/EN 60947-3<br>For T0...: up to 8 contacts;<br>For T3...: up to 12 contacts<br>With door interlock in "I" position<br>→ Page 4/10<br><b>Flush mounting (.../E)</b> 3<br>Front IP65<br>Flush mounting and connection from rear<br>Terminals:<br>Crosshead screwdriver<br>Pozidrive<br>T8 always with extension terminals<br>→ Page 4/22 |                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |



## ON-OFF switches P1, P3



## ON OFF switches P5



|                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Service distribution board mounting (.../IVS)</b> 1<br>Front IP30<br>Fitting dimensions according to DIN 43880<br>For snap fitting to top-hat rail according to IEC/EN 60715<br>Space requirement<br>P1, 3 pole: 3 space units<br>P3, 3 pole: 4 space units<br>P3-.../IVS lockable with padlock in "0" position<br>→ Page 4/22 | <b>Flush mounting (.../E)</b> 3<br>Front IP65<br>Flush mounting and connection from rear<br>Terminals: Crosshead screwdriver Pozidrive<br>Back-of-hand proof<br>2 add-on modules can be retrofitted<br>→ Page 4/22                   | <b>Surface mounting main switch (.../I...)</b> 5<br>IP65<br><div>totally insulated</div><br>With an additional terminal<br>To IEC/ENEN 60204, VDE 0113 and IEC/EN 60947-3<br>Position 0 lockable with 3 padlocks<br>Installable add-on modules:<br>P1: HI 11-P1/P3 or N-P1..., P3: HI 11-P1/P3 and/or N-P5<br>Enclosures for metric cable glands to EN 50262<br>→ Page 4/10 | <b>Main switch (kit) for use as emergency switching off device</b> 7<br>To IEC/EN 60204-1, VDE 0113 Part 1<br>With red rotary handle and yellow locking collar<br>Lockable in the 0 (Off) position<br>→ Page 4/58                                                                                |
| <b>Rear mounting (.../Z)</b> 2<br>Front IP65<br>Fixing either by snap-on or screw fixing<br>For snap fitting to top-hat rail according to IEC/EN 60715<br>Drive coupling in door or cover<br>Connection from front<br>2 add-on modules can be retrofitted<br>→ Page 4/22                                                          | <b>Flush mounting main switch (.../EA/SVB)</b> 3<br>Front IP65<br>To IEC/ENEN 60204, VDE 0113 and IEC/EN 60947-3<br>N and PE terminal<br>Position 0 lockable with 3 padlocks<br>2 add-on modules can be retrofitted<br>→ Page 4/10   | <b>ATEX</b> <br>→ Page 4/58                                                                                                                                                                                                                                                               | <b>Main switch (kit)</b> 8<br>Black rotary handle and locking collar<br>Lockable in the 0 position<br>→ Page 4/58                                                                                                                                                                                |
| <b>Rear mounting main switch (.../V/SVB)</b> 2<br>Front IP65<br>To IEC/ENEN 60204, VDE 0113 and IEC/EN 60947-3<br>With door interlock in "I" position<br>Maintenance key for commissioning or fault-finding<br>Position 0 lockable with 3 padlocks<br>2 add-on modules can be retrofitted<br>→ Page 4/10                          | <b>Center mounting (.../EZ)</b> 3<br>Front IP65<br>Mounted in Ø 22.3 fixing hole to IEC/EN 60947-5-1<br>"One man mounting" by center fixing<br>→ Page 4/22                                                                           | <b>Safety switch (.../I...-SI)</b> 6<br>IP65<br><div>totally insulated</div><br>With an additional terminal<br>With cover fixing in 0 position<br>Position 0 lockable with 3 padlocks<br>"Safety Switch" label; color: orange<br>Enclosures for metric cable glands to EN 50262<br>→ Page 4/30                                                                              | <b>Thumb-grip, for use as emergency switching off device</b> 9<br>To IEC/EN 60204-1, VDE 0113 Part 1<br>Red thumb-grip and yellow front plate<br>→ Page 4/58                                                                                                                                     |
| <b>Surface mounting (.../I...)</b> 5<br>IP65<br><div>totally insulated</div><br>With an additional terminal<br>Installable add-on modules:<br>P1: HI 11-P1/P3 or N-P1..., P3: HI 11-P1/P3 and/or N-P5<br>Enclosures for metric cable glands to EN 50262<br>→ Page 4/22                                                            | <b>Add-on modules</b> 4<br>Switchable N conductor (early-make N/O contact)<br>Auxiliary contacts<br>Finger proof<br>Auxiliary N/O contact: Always connected as a load-shedding contact (late-make on, late-break off)<br>→ Page 4/64 | <b>ATEX</b> <br>→ Page 4/58                                                                                                                                                                                                                                                             | <b>Thumb-grip</b> 10<br>Black thumb-grip with front plate<br>→ Page 4/58                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                             | <b>Coupling drive</b> 11<br>Including push-fit shaft<br>For retrofitting mounting switches T0(T3)-.../XZ as rear mounting design spare part for T0(T3)/(P1)-.../Z<br>For converting flush mounting switches T5(B)-.../E into rear mounting switch spare part for T5(B)/(P3)-.../Z<br>→ Page 4/65 |
|                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                             | <b>Ground terminal</b> 12<br>Front mounting, right<br>Service distribution board mounting, left                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                             | <b>Neutral terminal</b> 13<br>Front mounting, left<br>Service distribution board mounting, right<br>→ Page 4/64                                                                                                                                                                                  |



**T0, T3, T5, T5B****Description**

Cam switches can be used for many switching and control applications. For example as ON-OFF switches, main switches, main/control switches, instrument switches.

The switches consist of a hand actuator, the switch unit and the mounting accessories.

The contact chamber (contact unit = BE) contains 1 or 2 contacts.

Our "T Cam Switches" catalog has over 800 popular standard contact sequences (please request under K115D/F/GB, article no. 077643).

The following pages feature a selection of our standard contact sequences.

T cam switches and P switch-disconnectors are manufactured without PCB, CFC, asbestos and silicon. The contacts are cadmium free.

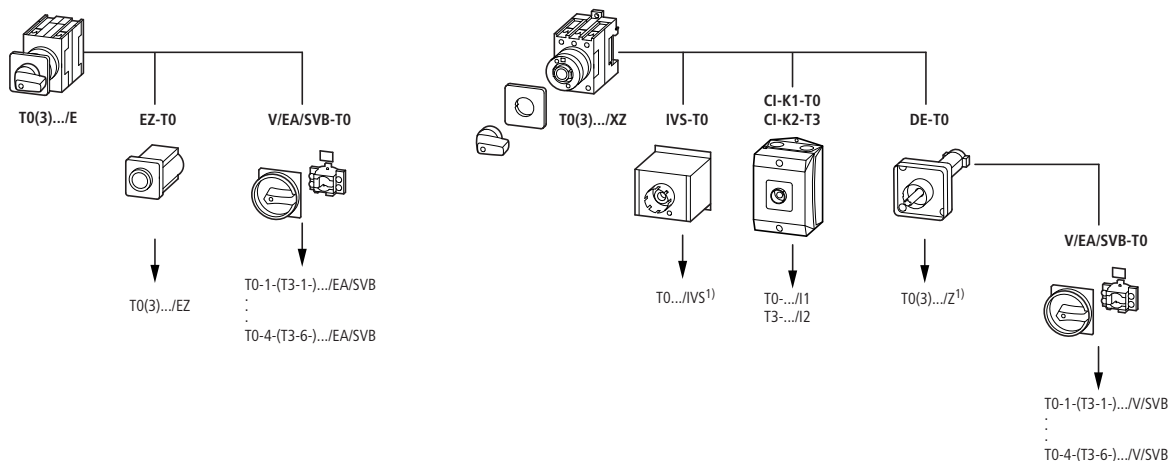
The CI-K... insulated enclosures are silicon and halogen free.

**Cam switches T0 and T3****Key to part numbers**

T ..... - ..... / .....

↑                    ↑                    ↑                    ↑

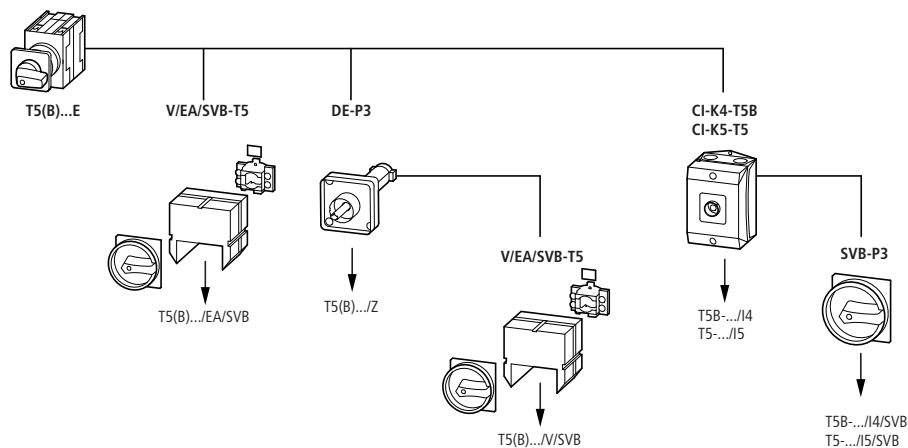
**Switch size**      **Number of contact chambers**      **Contact sequence**      **Mounting form**  
T0 or T3                    = contact units                    number                    → Page 4/2

**Using the modular system to convert the mounting form****Cam switch TB5****Key to part numbers**

T ..... - ..... / .....

↑                    ↑                    ↑                    ↑

**Switch size**      **Number of contact chambers**      **Contact sequence**      **Mounting form**  
T5(B)                    = contact units                    number                    → Page 4/2

**Using the modular system to convert the mounting form T5(B)****Note**

<sup>1)</sup> Including shaft

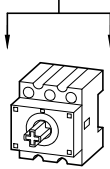
## P1, P3, TM

## Switch-disconnectors P1 and P3

## Key to part numbers

|                                |                                    |                                    |                                         |                                        |
|--------------------------------|------------------------------------|------------------------------------|-----------------------------------------|----------------------------------------|
| P.....-...../.....-...../..... |                                    |                                    |                                         |                                        |
| ↑                              | ↑                                  | ↑                                  | ↑                                       | ↑                                      |
| <b>Switch size</b><br>P1 or P3 | <b>Rated uninterrupted current</b> | <b>Mounting form</b><br>→ Page 4/2 | <b>Part no. suffix</b><br>(if required) | <b>Accessories</b><br>from → Page 7/47 |

## Add-on functions due to modular system

|                                                                                   |                                                                                                             |                                                                                                                        |                                                                                    |                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |                            |                                       |  |  |
| 3-pole basic unit<br>.../E or .../Z                                               | N-P...E or<br>N-P...Z<br><br>Switched neutral<br>Can be fitted left<br>or right<br>(for P1.../I: left only) | HI 11-P1/P3E or<br>HI 11-P1/P3Z<br><br>Auxiliary contact<br>Can be fitted left<br>or right<br>(for P1.../I: left only) | H-P...<br><br>Terminal shroud<br>can be fitted at<br>top or bottom                 | UV-P...<br><br>N + PE terminals,<br>also as cover interlock<br>on .../Z-switches.   |

## TM mini cam switches

The TM mini cam switch is a particularly small switch with a small space requirement. It is ideally suited for small voltages and currents such as electronic controls. For greater safety the contacts are gold plated.

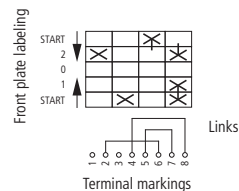
TM switches have consecutive terminal markings starting with 1.

Selection pages: Starting on → Page 7/54

## Key to part numbers

|                                                      |                                |                                    |                                   |
|------------------------------------------------------|--------------------------------|------------------------------------|-----------------------------------|
| TM-.....-...../.....+.....                           |                                |                                    |                                   |
| ↑                                                    | ↑                              | ↑                                  | ↑                                 |
| <b>Number of contact chambers</b><br>= contact units | <b>Contact sequence number</b> | <b>Mounting form</b><br>→ Page 4/2 | <b>Accessories</b><br>→ Page 7/59 |

## Circuit representation



(see also ordering example in the electronic catalogue)

## Switch from 0 to 1

Contact 1 – 2 open,  
Contact 3 – 4 open,  
Contact 5 – 6 open,  
Contact 7 – 8 closed

Switch from 1 to START  
with automatic return to 1

Contact 1 – 2 open,  
Contact 3 – 4 closed,  
Contact 5 – 6 open,  
Contact 7 – 8 remains closed

## Switch from 1 to 0

Contact 1 – 2 open,  
Contact 3 – 4 open,  
Contact 5 – 6 open,  
Contact 7 – 8 open

## Switch from 0 to 2

Contact 1 – 2 closed,  
Contact 3 – 4 open,  
Contact 5 – 6 open,  
Contact 7 – 8 closed

Switch from 2 to START  
with automatic return to 2

Contact 1 – 2 open,  
Contact 3 – 4 open,  
Contact 5 – 6 closes with early make,  
Contact 7 – 8 opens with late break

## Switch from 2 to 0

Contact 1 – 2 open,  
Contact 3 – 4 open,  
Contact 5 – 6 open,  
Contact 7 – 8 open



Ordering

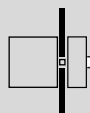
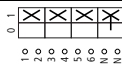
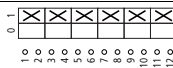
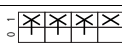
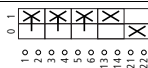


| Contact sequence                                                                                                           | Front plate no. | Main contacts | Auxiliary contacts | Max. motor rating<br>AC-23 A, 400/415 V,<br>50/60 Hz | Rated<br>uninterrupted<br>current | Flush mounting<br>Front IP65              | Part no.<br>Article no. | Price<br>See price<br>list | Std. pack                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|-----------------|---------------|--------------------|------------------------------------------------------|-----------------------------------|-------------------------------------------|-------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                           |                 | Pole<br>N/O   | N/O                | N/C                                                  | 400 V<br>P<br>kW                  | I <sub>u</sub><br>A                       |                         |                            |                                                                                                                                                                                      |
| Main switch as emergency switching off/emergency stop device                                                               |                 |               |                    |                                                      |                                   |                                           |                         |                            |                                                                                                                                                                                      |
| With red rotary handle and yellow locking collar<br>To IEC/EN 60204-1, VDE 0113 Part 1<br>Lockable in the 0 (Off) position |                 |               |                    |                                                      |                                   |                                           |                         |                            |                                                                                                                                                                                      |
| Without auxiliary contacts                                                                                                 |                 |               |                    |                                                      |                                   |                                           |                         |                            |                                                                                                                                                                                      |
|                                           | 1               | 0             | 0                  | 6.5                                                  | 20                                | T0-1-8200/EA/SVB<br>053110                |                         |                            | 1 Off<br>      |
|                                                                                                                            |                 |               |                    | 13                                                   | 32                                | T3-1-8200/EA/SVB <sup>1)</sup><br>066576  |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                 |               |                    | 22                                                   | 63                                | T5B-1-8200/EA/SVB <sup>3)</sup><br>094279 |                         |                            |                                                                                                                                                                                      |
|                                           | 2               | 0             | 0                  | 6.5                                                  | 20                                | T0-1-102/EA/SVB <sup>1)</sup><br>091078   |                         |                            | 1 Off<br>    |
|                                                                                                                            |                 |               |                    | 13                                                   | 32                                | T3-1-102/EA/SVB <sup>1)</sup><br>014374   |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                 |               |                    | 22                                                   | 63                                | T5B-1-102/EA/SVB <sup>3)</sup><br>094469  |                         |                            |                                                                                                                                                                                      |
|                                         | 3               | 0             | 0                  | 6.5                                                  | 20                                | T0-2-1/EA/SVB <sup>1)</sup><br>038873     |                         |                            | 1 Off<br>  |
|                                                                                                                            |                 |               |                    | 13                                                   | 25                                | P1-25/EA/SVB <sup>1)</sup><br>041097      |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                 |               |                    | 13                                                   | 25                                |                                           |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                 |               |                    | 15                                                   | 32                                | P1-32/EA/SVB <sup>1)</sup><br>081438      |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                 |               |                    | 37                                                   | 63                                | P3-63/EA/SVB <sup>1)</sup><br>031607      |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                 |               |                    | 45                                                   | 125                               | P5-125/EA/SVB <sup>4)</sup><br>280898     |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                 |               |                    | 50                                                   | 100                               | P3-100/EA/SVB <sup>1)</sup><br>074320     |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                 |               |                    | 55                                                   | 160                               | P5-160/EA/SVB <sup>4)</sup><br>280922     |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                 |               |                    | 90                                                   | 250                               | P5-250/EA/SVB <sup>4)</sup><br>280936     |                         |                            |                                                                                                                                                                                      |
|                                         | 3 + N           | 0             | 0                  | 6.5                                                  | 20                                | T0-2-8900/EA/SVB <sup>1)</sup><br>207400  |                         |                            | 1 Off<br>  |
|                                                                                                                            |                 |               |                    | 13                                                   | 25                                | P1-25/EA/SVB/N <sup>1)</sup><br>081587    |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                 |               |                    | 13                                                   | 25                                |                                           |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                 |               |                    | 15                                                   | 32                                | P1-32/EA/SVB/N <sup>1)</sup><br>091079    |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                 |               |                    | 15                                                   | 32                                |                                           |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                 |               |                    | 37                                                   | 63                                | P3-63/EA/SVB/N <sup>1)</sup><br>010398    |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                 |               |                    | 45                                                   | 125                               | P5-125/EA/SVB/N <sup>4)</sup><br>280910   |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                 |               |                    | 50                                                   | 100                               | P3-100/EA/SVB/N <sup>1)</sup><br>019890   |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                 |               |                    | 55                                                   | 160                               | P5-160/EA/SVB/N <sup>4)</sup><br>280924   |                         |                            |                                                                                                                                                                                      |

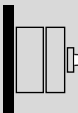
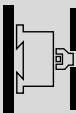
| Surface mounting<br>IP65                                                            | Price<br>See price<br>list | Std. pack                                                                                                                                                                            | Rear mounting<br>Front IP65              | Price<br>See price<br>list | Std. pack                                                                                                                                                                            | Information relevant for export to North America                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                            |                                                                                                                                                                                      |                                          |                            |                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| T0-1-8200/11/SVB<br>207145                                                          |                            | 1 Off                                                                                                                                                                                | T0-1-8200/V/SVB<br>057856                |                            | 1 Off                                                                                                                                                                                | 1)<br><br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br><br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br><br>Degree of Protection<br><br>UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br>E36332<br>NLRV<br>12528<br>3211-05<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor<br>disconnect<br>IEC: IP65; UL/CSA Type 3R, 12                                           |
| T3-1-8200/12/SVB <sup>2)</sup><br>207200                                            |                            | 1 Off<br>      | T3-1-8200/V/SVB <sup>1)</sup><br>007255  |                            | 1 Off<br>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| T5B-1-8200/14/SVB <sup>3)</sup><br>207240                                           |                            | 1 Off<br>      | T5B-1-8200/V/SVB <sup>3)</sup><br>094273 |                            | 1 Off<br>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| T0-1-102/11/SVB<br>207143                                                           |                            | 1 Off                                                                                                                                                                                | T0-1-102/V/SVB <sup>1)</sup><br>095824   |                            | 1 Off                                                                                                                                                                                | 2)<br><br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>CSA-C22.2 No. 94; IEC/EN 60947-3;<br>CE marking<br><br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br><br>Degree of Protection<br><br>UL 508; CSA-C22.2 No. 14-05;<br>CSA-C22.2 No. 94; IEC/EN 60947-3;<br>CE marking<br>E36332<br>NLRV<br>12528<br>3211-05<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor<br>disconnect<br>IEC: IP65; UL/CSA Type 3R, 12 |
| T3-1-102/12/SVB <sup>2)</sup><br>207198                                             |                            | 1 Off<br>      | T3-1-102/V/SVB <sup>1)</sup><br>019120   |                            | 1 Off<br>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| T5B-1-102/14/SVB <sup>3)</sup><br>207238                                            |                            | 1 Off<br>      | T5B-1-102/V/SVB <sup>3)</sup><br>094463  |                            | 1 Off<br>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| T5-1-102/15/SVB<br>207273                                                           |                            | 1 Off                                                                                                                                                                                |                                          |                            | 1 Off                                                                                                                                                                                | 3)<br><br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br><br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br><br>Degree of Protection<br><br>UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br>E36332<br>NLRV<br>12528<br>3211-05<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor<br>disconnect<br>IEC: IP65; UL/CSA Type 1, 3R, 12, 13                                    |
| T0-2-1/11/SVB<br>207147                                                             |                            | 1 Off                                                                                                                                                                                | T0-2-1/V/SVB <sup>1)</sup><br>043619     |                            | 1 Off<br>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| P1-25/12/SVB <sup>2)</sup><br>207293                                                |                            | 1 Off<br>  | P1-25/V/SVB <sup>2)</sup><br>055335      |                            | 1 Off<br>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| P1-25/12H/SVB<br>226900                                                             |                            | 1 Off                                                                                                                                                                                |                                          |                            | 1 Off                                                                                                                                                                                | 4)<br><br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br><br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br><br>Degree of Protection<br><br>UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br>E36332<br>NLRV, NLRV7<br>223805<br>3211-05<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor<br>disconnect<br>IEC: IP65; UL/CSA Type 3R, 12                                   |
| P1-32/12/SVB <sup>2)</sup><br>207314                                                |                            | 1 Off<br>  | P1-32/V/SVB <sup>1)</sup><br>095676      |                            | 1 Off<br>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| P3-63/14/SVB <sup>1)</sup><br>207343                                                |                            | 1 Off<br>  | P3-63/V/SVB <sup>1)</sup><br>048218      |                            | 1 Off<br>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                     |                            |                                                                                                                                                                                      | P5-125/V/SVB <sup>4)</sup><br>280914     |                            |                                                                                                                                                                                      | 1 Off<br>                                                                                                                                                                                                                                                                                                        |
| P3-100/15/SVB <sup>1)</sup><br>207373                                               |                            | 1 Off<br>  | P3-100/V/SVB <sup>1)</sup><br>088558     |                            | 1 Off<br>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                     |                            |                                                                                                                                                                                      | P5-160/V/SVB <sup>4)</sup><br>280928     |                            |                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                     |                            |                                                                                                                                                                                      | P5-250/V/SVB <sup>4)</sup><br>280942     |                            |                                                                                                                                                                                      | 1 Off<br>                                                                                                                                                                                                                                                                                                        |
|                                                                                     |                            |                                                                                                                                                                                      | P5-315/V/SVB <sup>4)</sup><br>280956     |                            |                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| T0-2-8900/11/SVB<br>207151                                                          |                            | 1 Off                                                                                                                                                                                | T0-2-8900/V/SVB <sup>1)</sup><br>207405  |                            | 1 Off<br>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| P1-25/12/SVB/N <sup>2)</sup><br>207298                                              |                            | 1 Off<br>  | P1-25/V/SVB/N <sup>2)</sup><br>086333    |                            | 1 Off<br>  | 1 Off<br>                                                                                                                                                                                                                                                                                                        |
| P1-25/12H/SVB/N<br>227860                                                           |                            | 1 Off                                                                                                                                                                                |                                          |                            | 1 Off                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| P1-32/12/SVB/N <sup>2)</sup><br>207319                                              |                            | 1 Off<br>  | P1-32/V/SVB/N <sup>1)</sup><br>095825    |                            | 1 Off<br>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| P1-32/12H/SVB/N<br>227871                                                           |                            | 1 Off                                                                                                                                                                                |                                          |                            | 1 Off                                                                                                                                                                                | 1 Off<br>                                                                                                                                                                                                                                                                                                        |
| P3-63/14/SVB/N <sup>1)</sup><br>207349                                              |                            | 1 Off<br>  | P3-63/V/SVB/N <sup>1)</sup><br>015144    |                            | 1 Off<br>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                     |                            |                                                                                                                                                                                      | P5-125/V/SVB/N <sup>4)</sup><br>280916   |                            | 1 Off<br>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| P3-100/15/SVB/N <sup>1)</sup><br>207379                                             |                            | 1 Off<br>  | P3-100/V/SVB/N <sup>1)</sup><br>024636   |                            | 1 Off<br>  | 1 Off<br>                                                                                                                                                                                                                                                                                                        |
|                                                                                     |                            |                                                                                                                                                                                      | P5-160/V/SVB/N <sup>4)</sup><br>280930   |                            | 1 Off<br>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |





| Contact sequence                                                                                                           | Front plate no.                                                                             | Main contacts                                                                                    | Auxiliary contacts                                                                                                                                                                | Max. motor rating<br>AC-23 A, 400/415 V,<br>50/60 Hz | Rated<br>uninterrupted<br>current | Flush mounting<br>Front IP65                                                       | Part no.<br>Article no. | Price<br>See price<br>list | Std. pack                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------|------------------------------------------------------------------------------------|-------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                            | <br>FS 908 | Pole<br>N/O<br> | N/O<br> N/C<br> | 400 V<br>P<br>kW                                     | I <sub>u</sub><br>A               |  |                         |                            |                                                                                                                                                                                      |
| <b>Main switch as emergency switching off/emergency stop device</b>                                                        |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      |                                   |                                                                                    |                         |                            |                                                                                                                                                                                      |
| With red rotary handle and yellow locking collar<br>To IEC/EN 60204-1, VDE 0113 Part 1<br>Lockable in the 0 (Off) position |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      |                                   |                                                                                    |                         |                            |                                                                                                                                                                                      |
| <b>Without auxiliary contacts</b>                                                                                          |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      |                                   |                                                                                    |                         |                            |                                                                                                                                                                                      |
|                                           | 3 + N                                                                                       | 0                                                                                                | 0                                                                                                                                                                                 | 90                                                   | 250                               | <b>P5-250/EA/SVB/N<sup>4)</sup></b><br>280938                                      |                         |                            | 1 Off<br>      |
|                                                                                                                            | 3 + N                                                                                       | 0                                                                                                | 0                                                                                                                                                                                 | 110                                                  | 315                               | <b>P5-315/EA/SVB/N<sup>4)</sup></b><br>280952                                      |                         |                            |                                                                                                                                                                                      |
|                                           | 6                                                                                           | 0                                                                                                | 0                                                                                                                                                                                 | 6.5                                                  | 20                                | <b>T0-3-8342/EA/SVB<sup>1)</sup></b><br>029382                                     |                         |                            | 1 Off<br>      |
|                                                                                                                            |                                                                                             |                                                                                                  |                                                                                                                                                                                   | 13                                                   | 32                                | <b>T3-3-8342/EA/SVB<sup>1)</sup></b><br>071326                                     |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                                                                                             |                                                                                                  |                                                                                                                                                                                   | 22                                                   | 63                                | <b>T5B-3-8342/EA/SVB<sup>3)</sup></b><br>092308                                    |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                                                                                             |                                                                                                  |                                                                                                                                                                                   | 30                                                   | 100                               | <b>T5-3-8342/EA/SVB</b><br>096383                                                  |                         |                            |                                                                                                                                                                                      |
|                                           | 8                                                                                           | 0                                                                                                | 0                                                                                                                                                                                 | 6.5                                                  | 20                                | <b>T0-4-8344/EA/SVB<sup>1)</sup></b><br>008267                                     |                         |                            | 1 Off<br>      |
|                                                                                                                            |                                                                                             |                                                                                                  |                                                                                                                                                                                   | 13                                                   | 32                                | <b>T3-4-8344/EA/SVB<sup>1)</sup></b><br>008964                                     |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                                                                                             |                                                                                                  |                                                                                                                                                                                   | 22                                                   | 63                                | <b>T5B-4-8344/EA/SVB<sup>3)</sup></b><br>092062                                    |                         |                            | 1 Off                                                                                                                                                                                |
|                                                                                                                            |                                                                                             |                                                                                                  |                                                                                                                                                                                   | 30                                                   | 95                                |                                                                                    |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                                                                                             |                                                                                                  |                                                                                                                                                                                   | 30                                                   | 100                               | <b>T5-4-8344/EA/SVB</b><br>095961                                                  |                         |                            |                                                                                                                                                                                      |
| <b>With auxiliary contacts</b>                                                                                             |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      |                                   |                                                                                    |                         |                            |                                                                                                                                                                                      |
|                                         | 3                                                                                           | 1                                                                                                | 0                                                                                                                                                                                 | 6.5                                                  | 20                                | <b>T0-2-15679/EA/SVB<sup>1)</sup></b><br>081588                                    |                         |                            | 1 Off<br>  |
|                                         | 3                                                                                           | 1                                                                                                | 1                                                                                                                                                                                 | 13                                                   | 25                                | <b>P1-25/EA/SVB/HI11<sup>1)</sup></b><br>091080                                    |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                                                                                             |                                                                                                  |                                                                                                                                                                                   | 13                                                   | 25                                |                                                                                    |                         |                            | 1 Off<br>  |
|                                                                                                                            |                                                                                             |                                                                                                  |                                                                                                                                                                                   | 15                                                   | 32                                | <b>P1-32/EA/SVB/HI11<sup>1)</sup></b><br>072567                                    |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                                                                                             |                                                                                                  |                                                                                                                                                                                   | 15                                                   | 32                                |                                                                                    |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                                                                                             |                                                                                                  |                                                                                                                                                                                   | 37                                                   | 63                                | <b>P3-63/EA/SVB/HI11<sup>1)</sup></b><br>019891                                    |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                                                                                             |                                                                                                  |                                                                                                                                                                                   | 50                                                   | 100                               | <b>P3-100/EA/SVB/HI11<sup>1)</sup></b><br>029383                                   |                         |                            |                                                                                                                                                                                      |
|                                         | 3                                                                                           | 1                                                                                                | 0                                                                                                                                                                                 | 45                                                   | 125                               | <b>P5-125/EA/SVB/HI10<sup>4)</sup></b><br>280899                                   |                         |                            | 1 Off<br>  |
|                                                                                                                            |                                                                                             |                                                                                                  |                                                                                                                                                                                   | 55                                                   | 160                               | <b>P5-160/EA/SVB/HI10<sup>4)</sup></b><br>280923                                   |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                                                                                             |                                                                                                  |                                                                                                                                                                                   | 90                                                   | 250                               | <b>P5-250/EA/SVB/HI10<sup>4)</sup></b><br>280937                                   |                         |                            |                                                                                                                                                                                      |
|                                                                                                                            |                                                                                             |                                                                                                  |                                                                                                                                                                                   | 110                                                  | 315                               | <b>P5-315/EA/SVB/HI10<sup>4)</sup></b><br>280951                                   |                         |                            |                                                                                                                                                                                      |



| Surface mounting<br>IP65                                                            | totally insulated                                                                                                                                                                    |           | Rear mounting<br>Front IP65                                                         |                            |                                                                                                                                                                                      | Information relevant for export to North America                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                                                                                                                                                                      |           |  |                            |                                                                                                                                                                                      |                                                                                                                                                                                                                                        |
| Part no.<br>Article no.                                                             | Price<br>See price<br>list                                                                                                                                                           | Std. pack | Part no.<br>Article no.                                                             | Price<br>See price<br>list | Std. pack                                                                                                                                                                            |                                                                                                                                                                                                                                        |
|                                                                                     |                                                                                                                                                                                      |           |                                                                                     |                            |                                                                                                                                                                                      |                                                                  |
|                                                                                     |                                                                                                                                                                                      |           |                                                                                     |                            |                                                                                                                                                                                      |                                                                                                                                                                                                                                        |
|                                                                                     |                                                                                                                                                                                      |           |                                                                                     |                            |                                                                                                                                                                                      |                                                                                                                                                                                                                                        |
|                                                                                     |                                                                                                                                                                                      |           |                                                                                     |                            |                                                                                                                                                                                      |                                                                                                                                                                                                                                        |
|                                                                                     |                                                                                                                                                                                      |           |                                                                                     |                            |                                                                                                                                                                                      |                                                                                                                                                                                                                                        |
| <b>T0-3-8342/I1/SVB</b><br>207159                                                   |                                                                                                                                                                                      | 1 Off     | <b>P5-250/V/SVB/N<sup>4)</sup></b><br>280944                                        |                            | 1 Off<br>      | 1)<br><br>Product Standards<br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br><br>Degree of Protection                                                                                  |
| <b>T3-3-8342/I2/SVB<sup>2)</sup></b><br>207208                                      | 1 Off<br>      |           | <b>P5-315/V/SVB/N<sup>4)</sup></b><br>280958                                        |                            |                                                                                                                                                                                      |                                                                                                                                                                                                                                        |
| <b>T5B-3-8342/I4/SVB<sup>3)</sup></b><br>207242                                     | 1 Off<br>      |           | <b>T0-3-8342/V/SVB<sup>1)</sup></b><br>034128                                       |                            |                                                                                                                                                                                      | UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br>E36332<br>NLRV<br>12528<br>3211-05<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor<br>disconnect<br>IEC: IP65; UL/CSA Type 3R, 12                      |
| <b>T5-3-8342/I5/SVB</b><br>207279                                                   | 1 Off                                                                                                                                                                                |           | <b>T3-3-8342/V/SVB<sup>1)</sup></b><br>076072                                       |                            |                                                                                                                                                                                      |                                                                                                                                                                                                                                        |
| <b>T0-4-8344/I1/SVB</b><br>207163                                                   | 1 Off                                                                                                                                                                                |           | <b>T5B-3-8342/V/SVB<sup>3)</sup></b><br>092300                                      |                            | 1 Off                                                                                                                                                                                | Degree of Protection                                                                                                                                                                                                                   |
| <b>T3-4-8344/I2/SVB<sup>2)</sup></b><br>207212                                      | 1 Off<br>      |           | <b>T5-3-8342/V/SVB</b><br>096381                                                    |                            | 1 Off                                                                                                                                                                                |                                                                                                                                                                                                                                        |
| <b>T5B-4-8344/I4/SVB<sup>3)</sup></b><br>207248                                     | 1 Off<br>  |           | <b>T0-4-8344/V/SVB<sup>1)</sup></b><br>014007                                       |                            | 1 Off<br>      | 2)<br><br>Product Standards<br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br><br>Degree of Protection                                                                                  |
| <b>T5-4-8344/I5/SVB</b><br>207283                                                   | 1 Off                                                                                                                                                                                |           | <b>T3-4-8344/V/SVB<sup>1)</sup></b><br>020598                                       |                            |                                                                                                                                                                                      |                                                                                                                                                                                                                                        |
|                                                                                     |                                                                                                                                                                                      |           | <b>T5B-4-8344/V/SVB<sup>3)</sup></b><br>092056                                      |                            | 1 Off                                                                                                                                                                                | UL 508; CSA-C22.2 No. 14-05;<br>CSA-C22.2 No. 94; IEC/EN 60947-3;<br>CE marking<br>E36332<br>NLRV<br>12528<br>3211-05<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor<br>disconnect<br>IEC: IP65; UL/CSA Type 3R, 12 |
|                                                                                     |                                                                                                                                                                                      |           | <b>T5-4-8344/V/SVB</b><br>095959                                                    |                            | 1 Off                                                                                                                                                                                |                                                                                                                                                                                                                                        |
|                                                                                     |                                                                                                                                                                                      |           |                                                                                     |                            |                                                                                                                                                                                      |                                                                                                                                                                                                                                        |
| <b>T0-2-15679/I1/SVB</b><br>207149                                                  | 1 Off                                                                                                                                                                                |           | <b>T0-2-15679/V/SVB<sup>1)</sup></b><br>086334                                      |                            | 1 Off<br>  | 3)<br><br>Product Standards<br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br><br>Degree of Protection                                                                                  |
| <b>P1-25/I2/SVB/HI11<sup>2)</sup></b><br>207297                                     | 1 Off<br>  |           | <b>P1-25/V/SVB/HI11<sup>1)</sup></b><br>095826                                      |                            |                                                                                                                                                                                      |                                                                                                                                                                                                                                        |
| <b>P1-25/I2H/SVB/HI11</b><br>226902                                                 | 1 Off                                                                                                                                                                                |           |                                                                                     |                            |                                                                                                                                                                                      | UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br>E36332<br>NLRV7<br>12528<br>3211-05<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor<br>disconnect<br>IEC: IP65; UL/CSA Type 1, 3R, 12, 13              |
| <b>P1-32/I2/SVB/HI11<sup>1)</sup></b><br>207318                                     | 1 Off<br>  |           | <b>P1-32/V/SVB/HI11<sup>1)</sup></b><br>015145                                      |                            |                                                                                                                                                                                      |                                                                                                                                                                                                                                        |
| <b>P1-32/I2H/SVB/HI11</b><br>227870                                                 | 1 Off                                                                                                                                                                                |           |                                                                                     |                            |                                                                                                                                                                                      | Degree of Protection                                                                                                                                                                                                                   |
| <b>P3-63/I4/SVB/HI11<sup>1)</sup></b><br>207348                                     | 1 Off<br>  |           | <b>P3-63/V/SVB/HI11<sup>1)</sup></b><br>024637                                      |                            |                                                                                                                                                                                      |                                                                                                                                                                                                                                        |
| <b>P3-100/I5/SVB/HI11<sup>1)</sup></b><br>207378                                    | 1 Off<br>  |           | <b>P3-100/V/SVB/HI11<sup>1)</sup></b><br>034129                                     |                            |                                                                                                                                                                                      | 4)<br><br>Product Standards<br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br><br>Degree of Protection                                                                                  |
|                                                                                     |                                                                                                                                                                                      |           | <b>P5-125/V/SVB/HI10<sup>4)</sup></b><br>280915                                     |                            | 1 Off<br>  |                                                                                                                                                                                                                                        |
|                                                                                     |                                                                                                                                                                                      |           | <b>P5-160/V/SVB/HI10<sup>4)</sup></b><br>280929                                     |                            |                                                                                                                                                                                      | UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br>E36332<br>NLRV, NLRV7<br>223805<br>3211-05<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor<br>disconnect<br>IEC: IP65; UL/CSA Type 3R, 12              |
|                                                                                     |                                                                                                                                                                                      |           | <b>P5-250/V/SVB/HI10<sup>4)</sup></b><br>280943                                     |                            |                                                                                                                                                                                      |                                                                                                                                                                                                                                        |
|                                                                                     |                                                                                                                                                                                      |           | <b>P5-315/V/SVB/HI10<sup>4)</sup></b><br>280957                                     |                            |                                                                                                                                                                                      |                                                                                                                                                                                                                                        |

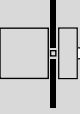
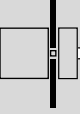
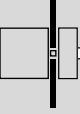
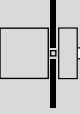
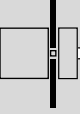
2010 CA08103002Z-EN [www.eaton.com](http://www.eaton.com)

**Notes**

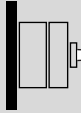
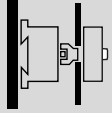
<sup>5)</sup> Enclosure without flanges with K95/1N/BR

<sup>6)</sup> With KS4-CI and K150/1/BR: Ingress protection IP64

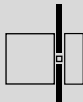
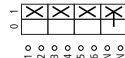
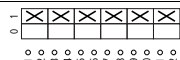
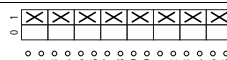
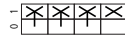
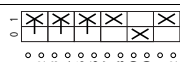


| Contact sequence                                                                    | Front plate no. | Main contacts | Auxiliary contacts | Max. motor rating<br>AC-23 A, 400/415 V,<br>50/60 Hz | Rated uninterrupted current | Flush mounting<br>Front IP65                                                       | Part no.<br>Article no.                       | Price<br>See price list | Std. pack                                                                                                                                                                            |
|-------------------------------------------------------------------------------------|-----------------|---------------|--------------------|------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                 | Pole<br>N/O   | N/O                | 400 V<br>P<br>kW                                     | I <sub>u</sub><br>A         |  |                                               |                         |                                                                                                                                                                                      |
| Main switch without emergency switching off/emergency stop function                 |                 |               |                    |                                                      |                             |                                                                                    |                                               |                         |                                                                                                                                                                                      |
| With black rotary handle and locking collar<br>Lockable in the 0 (Off) position     |                 |               |                    |                                                      |                             |                                                                                    |                                               |                         |                                                                                                                                                                                      |
| Without auxiliary contacts                                                          |                 |               |                    |                                                      |                             |                                                                                    |                                               |                         |                                                                                                                                                                                      |
|    | 1               | 0             | 0                  | 6.5                                                  | 20                          |  | T0-1-8200/EA/SVB-SW <sup>(1)</sup><br>055483  |                         | 1 Off<br>      |
|                                                                                     |                 |               |                    | 13                                                   | 32                          |                                                                                    | T3-1-8200/EA/SVB-SW <sup>(1)</sup><br>068949  |                         |                                                                                                                                                                                      |
|                                                                                     |                 |               |                    | 22                                                   | 63                          |                                                                                    | T5B-1-8200/EA/SVB-SW <sup>(3)</sup><br>094278 |                         |                                                                                                                                                                                      |
|    | 2               | 0             | 0                  | 6.5                                                  | 20                          |  | T0-1-102/EA/SVB-SW <sup>(1)</sup><br>093451   |                         |                                                                                                                                                                                      |
|                                                                                     |                 |               |                    | 13                                                   | 32                          |                                                                                    | T3-1-102/EA/SVB-SW <sup>(1)</sup><br>016747   |                         |                                                                                                                                                                                      |
|                                                                                     |                 |               |                    | 22                                                   | 63                          |                                                                                    | T5B-1-102/EA/SVB-SW <sup>(3)</sup><br>094468  |                         |                                                                                                                                                                                      |
|   | 3               | 0             | 0                  | 6.5                                                  | 20                          |  | T0-2-1/EA/SVB-SW <sup>(1)</sup><br>041246     |                         | 1 Off<br>    |
|                                                                                     |                 |               |                    | 13                                                   | 25                          |                                                                                    | P1-25/EA/SVB-SW <sup>(1)</sup><br>048365      |                         |                                                                                                                                                                                      |
|                                                                                     |                 |               |                    | 13                                                   | 25                          |                                                                                    |                                               |                         |                                                                                                                                                                                      |
|                                                                                     |                 |               |                    | 15                                                   | 32                          |                                                                                    | P1-32/EA/SVB-SW <sup>(1)</sup><br>053111      |                         |                                                                                                                                                                                      |
|                                                                                     |                 |               |                    | 15                                                   | 32                          |                                                                                    |                                               |                         |                                                                                                                                                                                      |
|                                                                                     |                 |               |                    | 37                                                   | 63                          |                                                                                    | P3-63/EA/SVB-SW <sup>(1)</sup><br>057857      |                         |                                                                                                                                                                                      |
|                                                                                     |                 |               |                    | 50                                                   | 100                         |                                                                                    | P3-100/EA/SVB-SW <sup>(1)</sup><br>062603     |                         |                                                                                                                                                                                      |
|                                                                                     |                 |               |                    | 45                                                   | 125                         |                                                                                    | P5-125/EA/SVB-SW <sup>(4)</sup><br>280911     |                         |                                                                                                                                                                                      |
|                                                                                     |                 |               |                    | 55                                                   | 160                         |                                                                                    | P5-160/EA/SVB-SW <sup>(4)</sup><br>280925     |                         |                                                                                                                                                                                      |
|                                                                                     |                 |               |                    | 90                                                   | 250                         |                                                                                    | P5-250/EA/SVB-SW <sup>(4)</sup><br>280939     |                         |                                                                                                                                                                                      |
|  | 3 + N           | 0             | 0                  | 6.5                                                  | 20                          |  | T0-2-8900/EA/SVB-SW <sup>(1)</sup><br>207401  |                         | 1 Off<br>  |
|                                                                                     |                 |               |                    | 13                                                   | 25                          |                                                                                    | P1-25/EA/SVB-SW/N <sup>(1)</sup><br>083960    |                         |                                                                                                                                                                                      |
|                                                                                     |                 |               |                    | 13                                                   | 25                          |                                                                                    |                                               |                         |                                                                                                                                                                                      |
|                                                                                     |                 |               |                    | 15                                                   | 32                          |                                                                                    | P1-32/EA/SVB-SW/N <sup>(1)</sup><br>093452    |                         |                                                                                                                                                                                      |
|                                                                                     |                 |               |                    | 15                                                   | 32                          |                                                                                    |                                               |                         |                                                                                                                                                                                      |
|                                                                                     |                 |               |                    | 15                                                   | 32                          |                                                                                    |                                               |                         |                                                                                                                                                                                      |
|                                                                                     |                 |               |                    | 37                                                   | 63                          |                                                                                    | P3-63/EA/SVB-SW/N <sup>(1)</sup><br>012771    |                         |                                                                                                                                                                                      |
|                                                                                     |                 |               |                    | 50                                                   | 100                         |                                                                                    | P3-100/EA/SVB-SW/N <sup>(1)</sup><br>022263   |                         |                                                                                                                                                                                      |

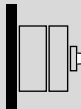
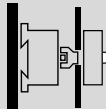


| Surface mounting<br>IP65                                                                                                                                                |                                                                                     |                                                                                                                                                                                      | Rear mounting<br>Front IP65                                                         |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                      |  |                                                                                                                                                                                      |  |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
| Part no.<br>Article no.                                                                                                                                                 | Price<br>See price list                                                             | Std. pack                                                                                                                                                                            | Part no.<br>Article no.                                                             | Price<br>See price list | Std. pack                                                                                                                                                                            | Information relevant for export to North America                                                                                                                                                                                             |                                                                                                                                                                                             |
|   |                                                                                     |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
|                                                                                                                                                                         |                                                                                     |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
| T0-1-8200/11/SVB-SW<br>207146                                                                                                                                           |                                                                                     | 1 Off                                                                                                                                                                                | T0-1-8200/V/SVB-SW <sup>(1)</sup><br>060229                                         |                         | 1 Off<br>      | 1)<br><br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br><br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br><br>Degree of Protection                      |                                                                                                                                                                                             |
| T3-1-8200/12/SVB-SW <sup>(2)</sup><br>207201                                                                                                                            |                                                                                     | 1 Off<br>      | T3-1-8200/V/SVB-SW <sup>(1)</sup><br>004882                                         |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              | UL 508; CSA-C22.2 No. 14-05;<br>E36332<br>NLRV<br>12528<br>3211-05<br>UL Listed, CSA certified<br>Branch circuits, suitable as<br>motor disconnect<br>IEC: IP65; UL/CSA Type 3R, 12         |
| T5B-1-8200/14/SVB-SW <sup>(3)</sup><br>207241                                                                                                                           |                                                                                     | 1 Off<br>      |                                                                                     |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
| T0-1-102/11/SVB-SW<br>207144                                                                                                                                            |                                                                                     | 1 Off                                                                                                                                                                                | T0-1-102/V/SVB-SW <sup>(1)</sup><br>022330                                          |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
| T3-1-102/12/SVB-SW <sup>(2)</sup><br>207199                                                                                                                             |                                                                                     | 1 Off<br>      | T3-1-102/V/SVB-SW <sup>(1)</sup><br>021493                                          |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
| T5B-1-102/14/SVB-SW <sup>(3)</sup><br>207239                                                                                                                            |                                                                                     | 1 Off<br>      | T5B-1-102/V/SVB-SW <sup>(3)</sup><br>094462                                         |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
|                                                                                                                                                                         |                                                                                     |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
| T0-2-1/11/SVB-SW<br>207148                                                                                                                                              |                                                                                     | 1 Off                                                                                                                                                                                | T0-2-1/V/SVB-SW <sup>(1)</sup><br>045992                                            |                         | 1 Off<br>    | 2)<br><br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>CSA-C22.2 No. 94; IEC/EN 60947-3;<br>CE marking<br><br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br><br>Degree of Protection |                                                                                                                                                                                             |
| P1-25/12/SVB-SW <sup>(2)</sup><br>207294                                                                                                                                |                                                                                     | 1 Off<br>  | P1-25/V/SVB-SW <sup>(2)</sup><br>050738                                             |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              | UL 508; CSA-C22.2 No. 14-05;<br>E36332<br>NLRV<br>12528<br>3211-05<br>UL Listed, CSA certified<br>Branch circuits, suitable as<br>motor disconnect<br>IEC: IP65; UL/CSA Type 3R, 12         |
| P1-25/12H/SVB-SW<br>227861                                                                                                                                              |                                                                                     | 1 Off                                                                                                                                                                                |                                                                                     |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
| P1-32/12/SVB-SW <sup>(2)</sup><br>207315                                                                                                                                |                                                                                     | 1 Off<br>  | P1-32/V/SVB-SW <sup>(1)</sup><br>055484                                             |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
| P1-32/12H/SVB-SW<br>227872                                                                                                                                              |                                                                                     | 1 Off                                                                                                                                                                                |                                                                                     |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
| P3-63/14/SVB-SW <sup>(1)</sup><br>207344                                                                                                                                |                                                                                     | 1 Off<br>  | P3-63/V/SVB-SW <sup>(1)</sup><br>060230                                             |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
| P3-100/15/SVB-SW <sup>(1)</sup><br>207374                                                                                                                               |                                                                                     | 1 Off<br>  | P3-100/V/SVB-SW <sup>(1)</sup><br>064976                                            |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
|                                                                                                                                                                         |                                                                                     |                                                                                                                                                                                      | P5-125/V/SVB-SW <sup>(4)</sup><br>280917                                            |                         |                                                                                                                                                                                      | 3)<br><br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br><br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br><br>Degree of Protection                      |                                                                                                                                                                                             |
|                                                                                                                                                                         |                                                                                     |                                                                                                                                                                                      | P5-160/V/SVB-SW <sup>(4)</sup><br>280931                                            |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              | UL 508; CSA-C22.2 No. 14-05;<br>E36332<br>NLRV7<br>12528<br>3211-05<br>UL Listed, CSA certified<br>Branch circuits, suitable as<br>motor disconnect<br>IEC: IP65; UL/CSA Type 1, 3R, 12, 13 |
|                                                                                                                                                                         |                                                                                     |                                                                                                                                                                                      | P5-250/V/SVB-SW <sup>(4)</sup><br>280945                                            |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
|                                                                                                                                                                         |                                                                                     |                                                                                                                                                                                      | P5-315/V/SVB-SW <sup>(4)</sup><br>280959                                            |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
| T0-2-8900/11/SVB-SW<br>207152                                                                                                                                           |                                                                                     | 1 Off                                                                                                                                                                                | T0-2-8900/V/SVB-SW <sup>(1)</sup><br>207406                                         |                         | 1 Off<br>  | 4)<br><br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br><br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br><br>Degree of Protection                      |                                                                                                                                                                                             |
| P1-25/12/SVB-SW/N <sup>(2)</sup><br>207296                                                                                                                              |                                                                                     | 1 Off<br>  | P1-25/V/SVB-SW/N <sup>(1)</sup><br>088706                                           |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              | UL 508; CSA-C22.2 No. 14-05;<br>E36332<br>NLRV, NLRV7<br>223805<br>3211-05<br>UL Listed, CSA certified<br>Branch circuits, suitable as<br>motor disconnect<br>IEC: IP65; UL/CSA Type 3R, 12 |
| P1-25/12H/SVB-SW/N<br>227863                                                                                                                                            |                                                                                     | 1 Off                                                                                                                                                                                |                                                                                     |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
| P1-32/12/SVB-SW/N <sup>(2)</sup><br>207317                                                                                                                              |                                                                                     | 1 Off<br>  | P1-32/V/SVB-SW/N <sup>(1)</sup><br>098198                                           |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
| P1-32/12H/SVB-SW/N<br>227874                                                                                                                                            |                                                                                     | 1 Off                                                                                                                                                                                |                                                                                     |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
| P1-32/12H/N<br>227869                                                                                                                                                   |                                                                                     | 1 Off                                                                                                                                                                                |                                                                                     |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                             |
| P3-63/14/SVB-SW/N <sup>(1)</sup><br>207346                                                                                                                              |                                                                                     | 1 Off<br>  | P3-63/V/SVB-SW/N <sup>(1)</sup><br>017517                                           |                         |                                                                                                                                                                                      | 4)<br><br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br><br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br><br>Degree of Protection                      |                                                                                                                                                                                             |
| P3-100/15/SVB-SW/N <sup>(1)</sup><br>207376                                                                                                                             |                                                                                     | 1 Off<br>  | P3-100/V/SVB-SW/N <sup>(1)</sup><br>027009                                          |                         |                                                                                                                                                                                      |                                                                                                                                                                                                                                              | UL 508; CSA-C22.2 No. 14-05;<br>E36332<br>NLRV, NLRV7<br>223805<br>3211-05<br>UL Listed, CSA certified<br>Branch circuits, suitable as<br>motor disconnect<br>IEC: IP65; UL/CSA Type 3R, 12 |



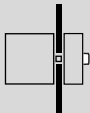
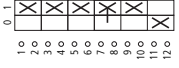
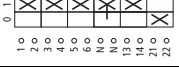
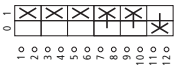
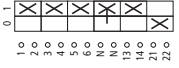
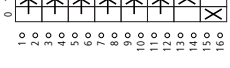
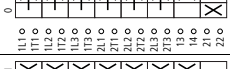
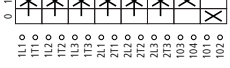
| Contact sequence                                                                    | Front plate no.                                                                             | Main contacts                                                                                    | Auxiliary contacts                                                                                                                                                                   | Max. motor rating<br>AC-23 A, 400/415 V,<br>50/60 Hz | Rated uninterrupted<br>current | Flush mounting<br>Front IP65                                                       | Part no.<br>Article no.                        | Price<br>See price list | Std. pack                                                                                                                                                                            |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------------|------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                     | <br>FS 908 | Pole<br>N/O<br> | N/O<br><br>N/C<br> | 400 V<br>P<br>kW                                     | I <sub>u</sub><br>A            |  |                                                |                         |                                                                                                                                                                                      |
| Main switch without emergency switching off/emergency stop function                 |                                                                                             |                                                                                                  |                                                                                                                                                                                      |                                                      |                                |                                                                                    |                                                |                         |                                                                                                                                                                                      |
| With black rotary handle and locking collar<br>Lockable in the 0 (Off) position     |                                                                                             |                                                                                                  |                                                                                                                                                                                      |                                                      |                                |                                                                                    |                                                |                         |                                                                                                                                                                                      |
| Without auxiliary contacts                                                          |                                                                                             |                                                                                                  |                                                                                                                                                                                      |                                                      |                                |                                                                                    |                                                |                         |                                                                                                                                                                                      |
|    |                                                                                             | 3 + N                                                                                            | 0                                                                                                                                                                                    | 0                                                    | 45                             | 125                                                                                | P5-125/EA/SVB-SW/N <sup>(4)</sup><br>280913    |                         | 1 Off<br>      |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                      |                                                      | 55                             | 160                                                                                | P5-160/EA/SVB-SW/N <sup>(4)</sup><br>280927    |                         |                                                                                                                                                                                      |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                      |                                                      | 90                             | 250                                                                                | P5-250/EA/SVB-SW/N <sup>(4)</sup><br>280941    |                         |                                                                                                                                                                                      |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                      |                                                      | 110                            | 315                                                                                | P5-315/EA/SVB-SW/N <sup>(4)</sup><br>280955    |                         |                                                                                                                                                                                      |
|    |                                                                                             | 6                                                                                                | 0                                                                                                                                                                                    | 0                                                    | 6.5                            | 20                                                                                 | T0-3-8342/EA/SVB-SW <sup>(1)</sup><br>031755   |                         | 1 Off<br>      |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                      |                                                      | 13                             | 32                                                                                 | T3-3-8342/EA/SVB-SW <sup>(1)</sup><br>073699   |                         |                                                                                                                                                                                      |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                      |                                                      | 22                             | 63                                                                                 | T5B-3-8342/EA/SVB-SW <sup>(3)</sup><br>092307  |                         |                                                                                                                                                                                      |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                      |                                                      | 30                             | 100                                                                                | T5-3-8342/EA/SVB-SW<br>096382                  |                         | 1 Off                                                                                                                                                                                |
|  |                                                                                             | 8                                                                                                | 0                                                                                                                                                                                    | 0                                                    | 6.5                            | 20                                                                                 | T0-4-8344/EA/SVB-SW <sup>(1)</sup><br>008268   |                         | 1 Off<br>  |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                      |                                                      | 13                             | 32                                                                                 | T3-4-8344/EA/SVB-SW <sup>(1)</sup><br>008965   |                         |                                                                                                                                                                                      |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                      |                                                      | 22                             | 63                                                                                 | T5B-4-8344/EA/SVB-SW <sup>(3)</sup><br>092061  |                         |                                                                                                                                                                                      |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                      |                                                      | 30                             | 95                                                                                 |                                                |                         |                                                                                                                                                                                      |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                      |                                                      | 30                             | 100                                                                                | T5-4-8344/EA/SVB-SW<br>095960                  |                         | 1 Off                                                                                                                                                                                |
| With auxiliary contacts                                                             |                                                                                             |                                                                                                  |                                                                                                                                                                                      |                                                      |                                |                                                                                    |                                                |                         |                                                                                                                                                                                      |
|  |                                                                                             | 3                                                                                                | 1                                                                                                                                                                                    | 0                                                    | 6.5                            | 20                                                                                 | T0-2-15679/EA/SVB-SW <sup>(1)</sup><br>083961  |                         | 1 Off<br>  |
|  |                                                                                             | 3                                                                                                | 1                                                                                                                                                                                    | 1                                                    | 13                             | 25                                                                                 | P1-25/EA/SVB-SW/HI11 <sup>(1)</sup><br>070194  |                         |                                                                                                                                                                                      |
|                                                                                     |                                                                                             |                                                                                                  | 1                                                                                                                                                                                    | 1                                                    | 13                             | 25                                                                                 |                                                |                         |                                                                                                                                                                                      |
|                                                                                     |                                                                                             |                                                                                                  | 1                                                                                                                                                                                    | 1                                                    | 13                             | 25                                                                                 |                                                |                         |                                                                                                                                                                                      |
|                                                                                     |                                                                                             |                                                                                                  | 1                                                                                                                                                                                    | 1                                                    | 15                             | 32                                                                                 | P1-32/EA/SVB-SW/HI11 <sup>(1)</sup><br>012772  |                         |                                                                                                                                                                                      |
|                                                                                     |                                                                                             |                                                                                                  | 1                                                                                                                                                                                    | 1                                                    | 15                             | 32                                                                                 |                                                |                         |                                                                                                                                                                                      |
|                                                                                     |                                                                                             |                                                                                                  | 1                                                                                                                                                                                    | 1                                                    | 37                             | 63                                                                                 | P3-63/EA/SVB-SW/HI11 <sup>(1)</sup><br>022264  |                         |                                                                                                                                                                                      |
|                                                                                     |                                                                                             |                                                                                                  | 1                                                                                                                                                                                    | 1                                                    | 50                             | 100                                                                                | P3-100/EA/SVB-SW/HI11 <sup>(1)</sup><br>031756 |                         |                                                                                                                                                                                      |
|  |                                                                                             | 3                                                                                                | 1                                                                                                                                                                                    | 0                                                    | 45                             | 125                                                                                | P5-125/EA/SVB-SW/HI10 <sup>(4)</sup><br>280912 |                         | 1 Off<br>  |
|                                                                                     |                                                                                             |                                                                                                  | 0                                                                                                                                                                                    | 0                                                    | 55                             | 160                                                                                | P5-160/EA/SVB-SW/HI10 <sup>(4)</sup><br>280926 |                         |                                                                                                                                                                                      |
|                                                                                     |                                                                                             |                                                                                                  | 0                                                                                                                                                                                    | 0                                                    | 90                             | 250                                                                                | P5-250/EA/SVB-SW/HI10 <sup>(4)</sup><br>280940 |                         |                                                                                                                                                                                      |
|                                                                                     |                                                                                             |                                                                                                  | 0                                                                                                                                                                                    | 0                                                    | 110                            | 315                                                                                | P5-315/EA/SVB-SW/HI10 <sup>(4)</sup><br>280954 |                         |                                                                                                                                                                                      |
|  |                                                                                             | 3                                                                                                | 2                                                                                                                                                                                    | 1                                                    | 6.5                            | 20                                                                                 | T0-3-15683/EA/SVB-SW <sup>(1)</sup><br>015600  |                         | 1 Off<br>  |
|                                                                                     |                                                                                             | 3                                                                                                | 2                                                                                                                                                                                    | 1                                                    | 13                             | 32                                                                                 | T3-3-15683/EA/SVB-SW <sup>(1)</sup><br>042851  |                         | 1 Off<br>  |



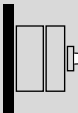
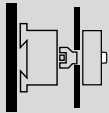
| Surface mounting                                                                                                                                                                                                                                                                                                                                                                               |                                                                                     | Rear mounting                                                                                                                                                                        |                                                                                     |                                                                                                                                                                         |                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP65                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                     |                                                                                                                                                                                      | Front IP65                                                                          |                                                                                                                                                                         |                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                             |  |                                                                                                                                                                                      |  |                                                                                                                                                                         |                                                                                                                                                                                      |
| Part no.<br>Article no.                                                                                                                                                                                                                                                                                                                                                                        | Price<br>See price list                                                             | Std. pack                                                                                                                                                                            | Part no.<br>Article no.                                                             | Price<br>See price list                                                                                                                                                 | Std. pack                                                                                                                                                                            |
| Information relevant for export to North America                                                                                                                                                                                                                                                                                                                                               |                                                                                     |                                                                                                                                                                                      |                                                                                     |                                                                                                                                                                         |                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                                                                                                                                                      |                                                                                     |   |                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                                                                                                                                                      |                                                                                     |                                                                                                                                                                         |                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                                                                                                                                                      |                                                                                     |                                                                                                                                                                         |                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                                                                                                                                                      |                                                                                     |                                                                                                                                                                         |                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                                                                                                                                                      |                                                                                     |                                                                                                                                                                         |                                                                                                                                                                                      |
| <b>T0-3-8342/I1/SVB-SW</b><br>207160                                                                                                                                                                                                                                                                                                                                                           |                                                                                     | 1 Off                                                                                                                                                                                | <b>T0-3-8342/V/SVB-SW<sup>1)</sup></b><br>036501                                    |                                                                                                                                                                         | 1 Off<br>      |
| <b>T3-3-8342/I2/SVB-SW<sup>2)</sup></b><br>207209                                                                                                                                                                                                                                                                                                                                              |                                                                                     | 1 Off<br>      | <b>T3-3-8342/V/SVB-SW<sup>1)</sup></b><br>078445                                    |                                                                                                                                                                         | 1 Off<br>      |
| <b>T5B-3-8342/I4/SVB-SW<sup>3)</sup></b><br>207243                                                                                                                                                                                                                                                                                                                                             |                                                                                     | 1 Off<br>      | <b>T5B-3-8342/V/SVB-SW<sup>3)</sup></b><br>092299                                   |                                                                                                                                                                         |                                                                                                                                                                                      |
| <b>T5-3-8342/I5/SVB-SW</b><br>207280                                                                                                                                                                                                                                                                                                                                                           |                                                                                     | 1 Off                                                                                                                                                                                | <b>T5-3-8342/V/SVB-SW</b><br>096380                                                 |                                                                                                                                                                         | 1 Off                                                                                                                                                                                |
| <b>T0-4-8344/I1/SVB-SW</b><br>207164                                                                                                                                                                                                                                                                                                                                                           |                                                                                     | 1 Off                                                                                                                                                                                | <b>T0-4-8344/V/SVB-SW<sup>1)</sup></b><br>008272                                    |                                                                                                                                                                         | 1 Off<br>  |
| <b>T3-4-8344/I2/SVB-SW<sup>2)</sup></b><br>207213                                                                                                                                                                                                                                                                                                                                              |                                                                                     | 1 Off<br>  | <b>T3-4-8344/V/SVB-SW<sup>1)</sup></b><br>008967                                    |                                                                                                                                                                         |                                                                                                                                                                                      |
| <b>T5B-4-8344/I4/SVB-SW<sup>3)</sup></b><br>207249                                                                                                                                                                                                                                                                                                                                             |                                                                                     | 1 Off<br>  | <b>T5B-4-8344/V/SVB-SW<sup>3)</sup></b><br>092055                                   |                                                                                                                                                                         |                                                                                                                                                                                      |
| <b>T5-4-8344/I5/SVB-SW</b><br>207284                                                                                                                                                                                                                                                                                                                                                           |                                                                                     | 1 Off                                                                                                                                                                                |                                                                                     |                                                                                                                                                                         |                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                                                                                                                                                      | <b>T5-4-8344/V/SVB-SW</b><br>095958                                                 |                                                                                                                                                                         | 1 Off                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                                                                                                                                                      |                                                                                     |                                                                                                                                                                         |                                                                                                                                                                                      |
| <b>T0-2-15679/I1/SVB-SW</b><br>207150                                                                                                                                                                                                                                                                                                                                                          |                                                                                     | 1 Off                                                                                                                                                                                | <b>T0-2-15679/V/SVB-SW<sup>1)</sup></b><br>088707                                   |                                                                                                                                                                         | 1 Off<br>  |
| <b>P1-25/I2/SVB-SW/HI11<sup>2)</sup></b><br>207295                                                                                                                                                                                                                                                                                                                                             |                                                                                     | 1 Off<br>  | <b>P1-25/V/SVB-SW/HI11<sup>1)</sup></b><br>098199                                   |                                                                                                                                                                         |                                                                                                                                                                                      |
| <b>P1-25/I2H/SVB-SW/HI11</b><br>227862                                                                                                                                                                                                                                                                                                                                                         |                                                                                     | 1 Off                                                                                                                                                                                |                                                                                     |                                                                                                                                                                         |                                                                                                                                                                                      |
| <b>P1-25/I2H/SVB-SW/HI11</b><br>226902                                                                                                                                                                                                                                                                                                                                                         |                                                                                     | 1 Off                                                                                                                                                                                |                                                                                     |                                                                                                                                                                         |                                                                                                                                                                                      |
| <b>P1-32/I2/SVB-SW/HI11<sup>1)</sup></b><br>207316                                                                                                                                                                                                                                                                                                                                             |                                                                                     | 1 Off<br>  | <b>P1-32/V/SVB-SW/HI11<sup>1)</sup></b><br>017518                                   |                                                                                                                                                                         |                                                                                                                                                                                      |
| <b>P1-32/I2H/SVB-SW/HI11</b><br>227873                                                                                                                                                                                                                                                                                                                                                         |                                                                                     | 1 Off                                                                                                                                                                                |                                                                                     |                                                                                                                                                                         |                                                                                                                                                                                      |
| <b>P3-63/I4/SVB-SW/HI11<sup>1)</sup></b><br>207345                                                                                                                                                                                                                                                                                                                                             |                                                                                     | 1 Off<br>  | <b>P3-63/V/SVB-SW/HI11<sup>1)</sup></b><br>027010                                   |                                                                                                                                                                         |                                                                                                                                                                                      |
| <b>P3-100/I5/SVB-SW/HI11<sup>1)</sup></b><br>207375                                                                                                                                                                                                                                                                                                                                            |                                                                                     | 1 Off<br>  | <b>P3-100/V/SVB-SW/HI11<sup>1)</sup></b><br>036502                                  |                                                                                                                                                                         |                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                                                                                                                                                      | <b>P5-125/V/SVB-SW/HI10<sup>4)</sup></b><br>280918                                  |                                                                                                                                                                         | 1 Off<br>  |
|                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                                                                                                                                                      | <b>P5-160/V/SVB-SW/HI10<sup>4)</sup></b><br>280932                                  |                                                                                                                                                                         |                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                                                                                                                                                      | <b>P5-250/V/SVB-SW/HI10<sup>4)</sup></b><br>280946                                  |                                                                                                                                                                         |                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                                                                                                                                                      | <b>P5-315/V/SVB-SW/HI10<sup>4)</sup></b><br>280960                                  |                                                                                                                                                                         |                                                                                                                                                                                      |
| <b>T0-3-15683/I1/SVB-SW</b><br>207158                                                                                                                                                                                                                                                                                                                                                          |                                                                                     | 1 Off                                                                                                                                                                                | <b>T0-3-15683/V/SVB-SW<sup>1)</sup></b><br>015664                                   |                                                                                                                                                                         | 1 Off<br>  |
| <b>T3-3-15683/I2/SVB-SW<sup>2)</sup></b><br>207207                                                                                                                                                                                                                                                                                                                                             |                                                                                     | 1 Off<br>  |                                                                                     |                                                                                                                                                                         |                                                                                                                                                                                      |
| 1)<br>Product Standards      UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking<br>UL File No.      E36332<br>UL CCN      NLRV<br>CSA File No.      12528<br>CSA Class No.      3211-05<br>NA Certification      UL Listed, CSA certified<br>Suitable for      Branch circuits, suitable as motor disconnect<br>Degree of Protection      IEC: IP65; UL/CSA Type 3R, 12                   |                                                                                     |                                                                                                                                                                                      |                                                                                     |                                                                                                                                                                         |                                                                                                                                                                                      |
| 2)<br>Product Standards      UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking<br>UL File No.      E36332<br>UL CCN      NLRV<br>CSA File No.      12528<br>CSA Class No.      3211-05<br>NA Certification      UL Listed, CSA certified<br>Suitable for      Branch circuits, suitable as motor disconnect<br>Degree of Protection      IEC: IP65; UL/CSA Type 3R, 12 |                                                                                     |                                                                                                                                                                                      |                                                                                     |                                                                                                                                                                         |                                                                                                                                                                                      |
| 3)<br>Product Standards      UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking<br>UL File No.      E36332<br>UL CCN      NLRV7<br>CSA File No.      12528<br>CSA Class No.      3211-05<br>NA Certification      UL Listed, CSA certified<br>Suitable for      Branch circuits, suitable as motor disconnect<br>Degree of Protection      IEC: IP65; UL/CSA Type 1, 3R, 12, 13           |                                                                                     |                                                                                                                                                                                      |                                                                                     |                                                                                                                                                                         |                                                                                                                                                                                      |
| 4)<br>Product Standards      UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking<br>UL File No.      E36332<br>UL CCN      NLRV, NLRV7<br>CSA File No.      223805<br>CSA Class No.      3211-05<br>NA Certification      UL Listed, CSA certified<br>Suitable for      Branch circuits, suitable as motor disconnect<br>Degree of Protection      IEC: IP65; UL/CSA Type 3R, 12           |                                                                                     |                                                                                                                                                                                      |                                                                                     |                                                                                                                                                                         |                                                                                                                                                                                      |



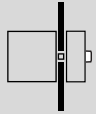
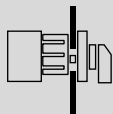


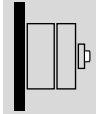
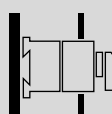
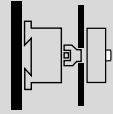
| Contact sequence                                                                    | Front plate no.                                                                             | Main contacts                                                                                    | Auxiliary contacts                                                                                                                                                                | Max. motor rating<br>AC-23 A, 400/415 V,<br>50/60 Hz | Rated<br>uninterrupted<br>current | Flush mounting<br>Front IP65                                                       |                                                 |                            |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------|
|                                                                                     | <br>FS 908 | Pole<br>N/O<br> | N/O<br> N/C<br> | 400 V<br>P<br>kW                                     | I <sub>u</sub><br>A               |  | Part no.<br>Article no.                         | Price<br>See price<br>list |
| Main switch without emergency switching off/emergency stop function                 |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      |                                   |                                                                                    |                                                 | Std. pack                  |
| With black rotary handle and locking collar<br>Lockable in the 0 (Off) position     |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      |                                   |                                                                                    |                                                 |                            |
| With auxiliary contacts                                                             |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      |                                   |                                                                                    |                                                 |                            |
|    |                                                                                             | 3 + N                                                                                            | 1                                                                                                                                                                                 | 1                                                    | 6.5                               | 20                                                                                 | T0-3-15680/EA/SVB-SW <sup>1)</sup><br>041248    |                            |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      | 13                                | 32                                                                                 | P1-25/EA/SVB-SW/N/HI11 <sup>1)</sup><br>050740  |                            |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      | 13                                | 32                                                                                 | T3-3-8901/EA/SVB-SW <sup>1)</sup><br>231946     |                            |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      | 15                                | 32                                                                                 | P1-32/EA/SVB-SW/N/HI11 <sup>1)</sup><br>060232  |                            |
|    |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      |                                   |                                                                                    |                                                 |                            |
|    |                                                                                             | 3 + N                                                                                            | 1                                                                                                                                                                                 | 1                                                    | 6.5                               | 20                                                                                 | T0-3-8901/EA/SVB-SW <sup>1)</sup><br>231933     |                            |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      | 13                                | 32                                                                                 | T3-3-15680/EA/SVB-SW <sup>1)</sup><br>014375    |                            |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      | 22                                | 63                                                                                 | T5B-3-8901/EA/SVB-SW <sup>3)</sup><br>207421    |                            |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      | 30                                | 100                                                                                | T5-3-8901/EA/SVB-SW<br>207409                   |                            |
|  |                                                                                             | 3 + N                                                                                            | 1                                                                                                                                                                                 | 1                                                    | 37                                | 63                                                                                 | P3-63/EA/SVB-SW/N/HI11 <sup>1)</sup><br>069724  |                            |
|                                                                                     |                                                                                             | 3 + N                                                                                            | 1                                                                                                                                                                                 | 1                                                    | 50                                | 100                                                                                | P3-100/EA/SVB-SW/N/HI11 <sup>1)</sup><br>079216 |                            |
|  |                                                                                             | 6                                                                                                | 1                                                                                                                                                                                 | 1                                                    | 6.5                               | 20                                                                                 | T0-4-15682/EA/SVB-SW <sup>1)</sup><br>022265    |                            |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      | 13                                | 32                                                                                 | T3-4-15682/EA/SVB-SW <sup>1)</sup><br>057089    |                            |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      | 22                                | 63                                                                                 | T5B-4-15682/EA/SVB-SW <sup>3)</sup><br>207426   |                            |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      | 30                                | 100                                                                                | T5-4-15682/EA/SVB-SW<br>207414                  |                            |
|  |                                                                                             | 6                                                                                                | 1                                                                                                                                                                                 | 1                                                    | 55                                | 160                                                                                |                                                 |                            |
|  |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      | 132                               | 275                                                                                |                                                 |                            |
|                                                                                     |                                                                                             |                                                                                                  |                                                                                                                                                                                   |                                                      | 132                               | 315                                                                                |                                                 |                            |



| Surface mounting<br>IP65                                                            |                                                                                     |           | Rear mounting<br>Front IP65                                                         |                            |           |                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|----------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |           |  |                            |           |                                                                                                                                                                                                                                                                                                                                                         |
| Part no.<br>Article no.                                                             | Price<br>See price<br>list                                                          | Std. pack | Part no.<br>Article no.                                                             | Price<br>See price<br>list | Std. pack | Information relevant for export to North America                                                                                                                                                                                                                                                                                                        |
|                                                                                     |                                                                                     |           |                                                                                     |                            |           |                                                                                                                                                                                                                                                                      |
|                                                                                     |                                                                                     |           |                                                                                     |                            |           |                                                                                                                                                                                                                                                                                                                                                         |
| T0-3-15680/11/SVB-SW<br>207154                                                      |                                                                                     | 1 Off     | T0-3-15680/V/SVB-SW <sup>1)</sup><br>045994                                         |                            | 1 Off     | 1)<br><br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br>E36332<br>NLRV<br>UL CCN<br>CSA File No.<br>12528<br>CSA Class No.<br>3211-05<br>NA Certification<br>Suitable for<br>UL Listed, CSA certified<br>Branch circuits, suitable as<br>motor disconnect<br>IEC: IP65; UL/CSA Type 3R,<br>12                      |
| T3-3-15680/12/SVB-SW <sup>4)</sup><br>207203                                        |                                                                                     | 1 Off     | T3-3-15680/V/SVB-SW <sup>1)</sup><br>019121                                         |                            | 1 Off     |                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                     |                                                                                     |           | P1-32/V/SVB-SW/N/HI11 <sup>1)</sup><br>064978                                       |                            |           |                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                     |                                                                                     |           |                                                                                     |                            |           | 2)<br><br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>CSA-C22.2 No. 94;<br>IEC/EN 60947-3; CE marking<br>E36332<br>NLRV<br>UL CCN<br>CSA File No.<br>12528<br>CSA Class No.<br>3211-05<br>NA Certification<br>Suitable for<br>UL Listed, CSA certified<br>Branch circuits, suitable as<br>motor disconnect<br>IEC: IP65; UL/CSA Type 3R,<br>12 |
| T0-3-8901/11/SVB-SW<br>231935                                                       |                                                                                     | 1 Off     |                                                                                     |                            | 1 Off     |                                                                                                                                                                                                                                                                                                                                                         |
| T3-3-8901/12/SVB-SW <sup>2)</sup><br>218988                                         |                                                                                     | 1 Off     | P1-25/V/SVB-SW/N/HI11 <sup>1)</sup><br>055486                                       |                            |           |                                                                                                                                                                                                                                                                                                                                                         |
| T5B-3-8901/14/SVB-SW <sup>3)</sup><br>207245                                        |                                                                                     | 1 Off     | T5B-3-8901/V/SVB-SW <sup>3)</sup><br>207423                                         |                            |           | 3)<br><br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br>E36332<br>NLRV<br>UL CCN<br>CSA File No.<br>12528<br>CSA Class No.<br>3211-05<br>NA Certification<br>Suitable for<br>UL Listed, CSA certified<br>Branch circuits, suitable as<br>motor disconnect<br>IEC: IP65; UL/CSA Type 1,3R,<br>12, 13                |
| T5-3-8901/15/SVB-SW<br>207278                                                       |                                                                                     | 1 Off     |                                                                                     |                            |           |                                                                                                                                                                                                                                                                                                                                                         |
| P3-63/14/SVB-SW/N/HI11 <sup>1)</sup><br>207347                                      |                                                                                     | 1 Off     | P3-63/V/SVB-SW/N/HI11 <sup>1)</sup><br>074470                                       |                            |           |                                                                                                                                                                                                                                                                                                                                                         |
| P3-100/15/SVB-SW/N/HI11 <sup>1)</sup><br>207377                                     |                                                                                     | 1 Off     | P3-100/V/SVB-SW/N/HI11 <sup>1)</sup><br>083962                                      |                            |           | Notes<br><sup>5)</sup> Enclosure without flanges with K95/1N/BR<br><sup>6)</sup> With KS4-CI and K150/1/BR: Ingress protection IP64                                                                                                                                                                                                                     |
| T0-4-15682/11/SVB-SW<br>207162                                                      |                                                                                     | 1 Off     | T0-4-15682/V/SVB-SW <sup>1)</sup><br>027011                                         |                            |           |                                                                                                                                                                                                                                                                                                                                                         |
| T3-4-15682/12/SVB-SW <sup>2)</sup><br>207211                                        |                                                                                     | 1 Off     | T3-4-15682/V/SVB-SW <sup>1)</sup><br>061835                                         |                            |           |                                                                                                                                                                                                                                                                                                                                                         |
| T5B-4-15682/14/SVB-SW <sup>3)</sup><br>207247                                       |                                                                                     | 1 Off     | T5B-4-15682/V/SVB-SW <sup>3)</sup><br>207428                                        |                            |           |                                                                                                                                                                                                                                                                                                                                                         |
| T5-4-15682/15/SVB-SW<br>207282                                                      |                                                                                     | 1 Off     | T5-4-15682/V/SVB-SW<br>207416                                                       |                            | 1 Off     |                                                                                                                                                                                                                                                                                                                                                         |
| T6-160-6/145/SVB-SW/HI11 <sup>5)</sup><br>201447                                    |                                                                                     | 1 Off     | T6-160-6/V/SVB-SW/HI11<br>200127                                                    |                            |           |                                                                                                                                                                                                                                                                                                                                                         |
| T8-3-8342/148/SVB-SW/<br>HI11 <sup>6)</sup><br>201449                               |                                                                                     | 1 Off     |                                                                                     |                            |           |                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                     |                                                                                     |           | T8-3-8342/V/SVB-SW/HI11<br>200128                                                   |                            |           |                                                                                                                                                                                                                                                                                                                                                         |

Notes  
<sup>5)</sup> Enclosure without flanges with K95/1N/BR  
<sup>6)</sup> With KS4-CI and K150/1/BR: Ingress protection IP64

| Contact sequence                                                                    | Front plate no.                                                                   | Main contacts Pole | Auxiliary contacts | Max. motor rating: AC-23A 400/415 V 50/60 Hz | Rated uninterrupted current | Flush mounting Front IP65                                                         | Center mounting Front IP65                                                          | Std. pack                                                                                                                                                                        |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------|--------------------|----------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                     |  |                    |                    |                                              |                             |  |  |                                                                                                                                                                                  |
|                                                                                     |                                                                                   | N/O                | N/O                | N/C                                          | P kW                        | I <sub>u</sub> A                                                                  |                                                                                     |                                                                                                                                                                                  |
| On-Off switches                                                                     |                                                                                   |                    |                    |                                              |                             |                                                                                   |                                                                                     |                                                                                                                                                                                  |
| Without auxiliary contacts                                                          |                                                                                   |                    |                    |                                              |                             |                                                                                   |                                                                                     |                                                                                                                                                                                  |
| With black thumb-grip and front plate                                               |                                                                                   |                    |                    |                                              |                             |                                                                                   |                                                                                     |                                                                                                                                                                                  |
|    | 1                                                                                 | 0                  | 0                  | 6.5                                          | 20                          | T0-1-8200/E <sup>(1)</sup><br>067352                                              | T0-1-8200/EZ <sup>(2)</sup><br>069725                                               | 1 Off<br>  |
|                                                                                     | 1                                                                                 | 0                  | 0                  | 6.5                                          | 20                          |                                                                                   |                                                                                     |                                                                                                                                                                                  |
|                                                                                     | 1                                                                                 | 0                  | 0                  | 13                                           | 32                          | T3-1-8200/E <sup>(4)</sup><br>064208                                              | T3-1-8200/EZ <sup>(4)</sup><br>066581                                               |                                                                                                                                                                                  |
|                                                                                     | 1                                                                                 | 0                  | 0                  | 22                                           | 63                          | T5B-1-8200/E <sup>(6)</sup><br>094281                                             |                                                                                     |                                                                                                                                                                                  |
|    | 2                                                                                 | 0                  | 0                  | 6.5                                          | 20                          | T0-1-102/E <sup>(1)</sup><br>088709                                               | T0-1-102/EZ <sup>(2)</sup><br>091082                                                |                                                                                                                                                                                  |
|                                                                                     | 2                                                                                 | 0                  | 0                  | 6.5                                          | 20                          |                                                                                   |                                                                                     |                                                                                                                                                                                  |
|                                                                                     | 2                                                                                 | 0                  | 0                  | 13                                           | 32                          | T3-1-102/E <sup>(1)</sup><br>076073                                               | T3-1-102/EZ <sup>(1)</sup><br>078446                                                |                                                                                                                                                                                  |
|                                                                                     | 2                                                                                 | 0                  | 0                  | 22                                           | 63                          | T5B-1-102/E <sup>(6)</sup><br>094471                                              |                                                                                     |                                                                                                                                                                                  |
|   | 3                                                                                 | 0                  | 0                  | 6.5                                          | 20                          | T0-2-1/E <sup>(1)</sup><br>024639                                                 | T0-2-1/EZ <sup>(1)</sup><br>027012                                                  |                                                                                                                                                                                  |
|                                                                                     | 3                                                                                 | 0                  | 0                  | 6.5                                          | 20                          |                                                                                   |                                                                                     |                                                                                                                                                                                  |
|                                                                                     | 3                                                                                 | 0                  | 0                  | 13                                           | 25                          | P1-25/E <sup>(1)</sup><br>038724                                                  | P1-25/EZ <sup>(1)</sup><br>041250                                                   |                                                                                                                                                                                  |
|                                                                                     | 3                                                                                 | 0                  | 0                  | 13                                           | 25                          |                                                                                   |                                                                                     |                                                                                                                                                                                  |
|                                                                                     | 3                                                                                 | 0                  | 0                  | 15                                           | 32                          | P1-32/E <sup>(1)</sup><br>079065                                                  | P1-32/EZ <sup>(1)</sup><br>048369                                                   |                                                                                                                                                                                  |
|                                                                                     | 3                                                                                 | 0                  | 0                  | 15                                           | 32                          |                                                                                   |                                                                                     |                                                                                                                                                                                  |
|                                                                                     | 3                                                                                 | 0                  | 0                  | 37                                           | 63                          | P3-63/E <sup>(8)</sup><br>026861                                                  |                                                                                     |                                                                                                                                                                                  |
|                                                                                     | 3                                                                                 | 0                  | 0                  | 45                                           | 125                         | P5-125/E <sup>(9)</sup><br>280897                                                 |                                                                                     |                                                                                                                                                                                  |
|                                                                                     | 3                                                                                 | 0                  | 0                  | 50                                           | 100                         | P3-100/E <sup>(8)</sup><br>067201                                                 |                                                                                     |                                                                                                                                                                                  |
|                                                                                     | 3                                                                                 | 0                  | 0                  | 55                                           | 160                         | P5-160/E <sup>(9)</sup><br>280921                                                 |                                                                                     |                                                                                                                                                                                  |
|                                                                                     | 3                                                                                 | 0                  | 0                  | 90                                           | 250                         | P5-250/E <sup>(9)</sup><br>280935                                                 |                                                                                     |                                                                                                                                                                                  |
|                                                                                     | 3                                                                                 | 0                  | 0                  | 110                                          | 315                         | P5-315/E <sup>(9)</sup><br>280949                                                 |                                                                                     |                                                                                                                                                                                  |
|  | 3 + N                                                                             | 0                  | 0                  | 6.5                                          | 20                          | T0-2-8900/E <sup>(1)</sup><br>207398                                              | T0-2-8900/EZ <sup>(1)</sup><br>207402                                               |                                                                                                                                                                                  |
|                                                                                     | 3 + N                                                                             | 0                  | 0                  | 13                                           | 25                          | P1-25/E/N <sup>(1)</sup><br>076845                                                | P1-25/EZ/N <sup>(1)</sup><br>079218                                                 |                                                                                                                                                                                  |
|                                                                                     | 3 + N                                                                             | 0                  | 0                  | 13                                           | 25                          |                                                                                   |                                                                                     |                                                                                                                                                                                  |
|                                                                                     | 3 + N                                                                             | 0                  | 0                  | 15                                           | 32                          | P1-32/E/N <sup>(1)</sup><br>093456                                                | P1-32/EZ/N <sup>(1)</sup><br>095829                                                 |                                                                                                                                                                                  |
|                                                                                     | 3 + N                                                                             | 0                  | 0                  | 15                                           | 32                          |                                                                                   |                                                                                     |                                                                                                                                                                                  |
|                                                                                     | 3 + N                                                                             | 0                  | 0                  | 37                                           | 63                          | P3-63/E/N <sup>(8)</sup><br>019894                                                |                                                                                     |                                                                                                                                                                                  |
|                                                                                     | 3 + N                                                                             | 0                  | 0                  | 50                                           | 100                         | P3-100/E/N <sup>(8)</sup><br>031759                                               |                                                                                     |                                                                                                                                                                                  |
|  | 4                                                                                 | 0                  | 0                  | 6.5                                          | 20                          |                                                                                   |                                                                                     |                                                                                                                                                                                  |

| Surface mounting IP65                                                               |                         |                                                                                                                                                                                      | Distribution board - mounting Front IP30                                            |                         |  | Rear mounting Front IP65                                                            |                         |  | Std. pack                                                                                                                                                                        | Information relevant for export to North America                                                                                                                        |
|-------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|--|-------------------------------------------------------------------------------------|-------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                         |                                                                                                                                                                                      |  |                         |  |  |                         |  |                                                                                                                                                                                  |   |
| Part no.<br>Article no.                                                             | Price<br>See price list | Std. pack                                                                                                                                                                            | Part no.<br>Article no.                                                             | Price<br>See price list |  | Part no.<br>Article no.                                                             | Price<br>See price list |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| T0-1-8200/I1<br>207074                                                              |                         | 1 Off                                                                                                                                                                                | T0-1-8200/IVS <sup>(3)</sup><br>074471                                              |                         |  | T0-1-8200/Z <sup>(1)</sup><br>076844                                                |                         |  | 1 Off<br>  | 1) → Page 4/24<br>2) → Page 4/24<br>3) → Page 4/24<br>4) → Page 4/24<br>5) → Page 4/24<br>6) → Page 4/24<br>7) → Page 4/24<br>8) → Page 4/24<br>9) → Page 4/24          |
|                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |  | T0-1-15401/Z <sup>(1)</sup><br>048346                                               |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| T3-1-8200/I2 <sup>(4)</sup><br>207167                                               |                         | 1 Off<br>      |                                                                                     |                         |  | T3-1-8200/Z <sup>(4)</sup><br>071327                                                |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| T5B-1-8200/I4 <sup>(5)</sup><br>207218                                              |                         | 1 Off<br>      |                                                                                     |                         |  | T5B-1-8200/Z <sup>(6)</sup><br>094270                                               |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| T0-1-102/I1<br>207061                                                               |                         | 1 Off                                                                                                                                                                                | T0-1-102/IVS <sup>(3)</sup><br>015147                                               |                         |  | T0-1-102/Z <sup>(1)</sup><br>095828                                                 |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
|                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |  | T0-1-15402/Z <sup>(1)</sup><br>062584                                               |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| T3-1-102/I2 <sup>(4)</sup><br>207165                                                |                         | 1 Off<br>      |                                                                                     |                         |  | T3-1-102/Z <sup>(4)</sup><br>083192                                                 |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| T5B-1-102/I4 <sup>(5)</sup><br>207215                                               |                         | 1 Off<br>      |                                                                                     |                         |  | T5B-1-102/Z <sup>(6)</sup><br>094460                                                |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| T0-2-1/I1<br>207081                                                                 |                         | 1 Off                                                                                                                                                                                | T0-2-1/IVS <sup>(3)</sup><br>031758                                                 |                         |  | T0-2-1/Z <sup>(1)</sup><br>036504                                                   |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| T0-2-15403/I1<br>207088                                                             |                         | 1 Off                                                                                                                                                                                |                                                                                     |                         |  | T0-2-15403/Z <sup>(1)</sup><br>076822                                               |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| P1-25/I2 <sup>(8)</sup><br>207299                                                   |                         | 1 Off<br>  | P1-25/IVS <sup>(7)</sup><br>052962                                                  |                         |  | P1-25/Z <sup>(8)</sup><br>057708                                                    |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| P1-25/I2H<br>226898                                                                 |                         | 1 Off                                                                                                                                                                                |                                                                                     |                         |  |                                                                                     |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| P1-32/I2 <sup>(8)</sup><br>207320                                                   |                         | 1 Off<br>  | P1-32/IVS <sup>(7)</sup><br>093303                                                  |                         |  | P1-32/Z <sup>(8)</sup><br>098049                                                    |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| P1-32/I2H<br>227866                                                                 |                         | 1 Off                                                                                                                                                                                |                                                                                     |                         |  |                                                                                     |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| P3-63/I4 <sup>(8)</sup><br>207356                                                   |                         | 1 Off<br>  | P3-63/IVS <sup>(7)</sup><br>041099                                                  |                         |  | P3-63/Z <sup>(8)</sup><br>050591                                                    |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
|                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |  | P5-125/Z <sup>(9)</sup><br>280920                                                   |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| P3-100/I5 <sup>(8)</sup><br>207381                                                  |                         | 1 Off<br>  | P3-100/IVS <sup>(7)</sup><br>081439                                                 |                         |  | P3-100/Z <sup>(8)</sup><br>090931                                                   |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
|                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |  | P5-160/Z <sup>(9)</sup><br>280934                                                   |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
|                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |  | P5-250/Z <sup>(9)</sup><br>280948                                                   |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
|                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |  | P5-315/Z <sup>(9)</sup><br>280962                                                   |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| T0-2-8900/I1<br>207109                                                              |                         | 1 Off                                                                                                                                                                                | T0-2-8900/IVS <sup>(3)</sup><br>207403                                              |                         |  | T0-2-8900/Z <sup>(1)</sup><br>207407                                                |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| P1-25/I2/N <sup>(8)</sup><br>207303                                                 |                         | 1 Off<br>  | P1-25/IVS/N <sup>(7)</sup><br>083964                                                |                         |  | P1-25/Z/N <sup>(8)</sup><br>088710                                                  |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| P1-25/I2H/N<br>226901                                                               |                         | 1 Off                                                                                                                                                                                |                                                                                     |                         |  |                                                                                     |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| P1-32/I2/N <sup>(8)</sup><br>207324                                                 |                         | 1 Off<br>  | P1-32/IVS/N <sup>(7)</sup><br>010402                                                |                         |  | P1-32/Z/N <sup>(8)</sup><br>015148                                                  |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| P1-32/I2H/N<br>227869                                                               |                         | 1 Off                                                                                                                                                                                |                                                                                     |                         |  |                                                                                     |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| P3-63/I4/N <sup>(8)</sup><br>207360                                                 |                         | 1 Off<br>  | P3-63/IVS/N <sup>(7)</sup><br>022267                                                |                         |  | P3-63/Z/N <sup>(8)</sup><br>027013                                                  |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| P3-100/I5/N <sup>(8)</sup><br>207385                                                |                         | 1 Off<br>  | P3-100/IVS/N <sup>(7)</sup><br>034132                                               |                         |  | P3-100/Z/N <sup>(8)</sup><br>038878                                                 |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |
| T0-2-15404/I1<br>207089                                                             |                         | 1 Off                                                                                                                                                                                | T0-2-15404/IVS <sup>(3)</sup><br>088687                                             |                         |  | T0-2-15404/Z <sup>(1)</sup><br>091060                                               |                         |  |                                                                                                                                                                                  |                                                                                                                                                                         |



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| Contact sequence                      | Front plate no. | Main contacts Pole | Auxiliary contacts | Max. motor rating: AC-23A 400/415 V 50/60 Hz | Rated uninterrupt current | Flush mounting Front IP65         | Center mounting Front IP65        | Std. pack |
|---------------------------------------|-----------------|--------------------|--------------------|----------------------------------------------|---------------------------|-----------------------------------|-----------------------------------|-----------|
|                                       | FS 908          |                    |                    |                                              |                           |                                   |                                   |           |
|                                       |                 | N/O                | N/O                | N/C                                          | P kW                      | I <sub>u</sub> A                  |                                   |           |
| On-Off switches                       |                 |                    |                    |                                              |                           |                                   |                                   |           |
| Without auxiliary contacts            |                 |                    |                    |                                              |                           |                                   |                                   |           |
| With black thumb-grip and front plate |                 |                    |                    |                                              |                           |                                   |                                   |           |
|                                       | 6               | 0                  | 0                  | 6.5                                          | 20                        | T0-3-8342/E <sup>1)</sup> 043624  | T0-3-8342/EZ <sup>1)</sup> 045997 | 1 Off     |
|                                       | 6               | 0                  | 0                  | 13                                           | 32                        | T3-3-8342/E <sup>4)</sup> 045225  |                                   |           |
|                                       | 6               | 0                  | 0                  | 22                                           | 63                        | T5B-3-8342/E <sup>6)</sup> 092310 |                                   |           |
|                                       | 8               | 0                  | 0                  | 6.5                                          | 20                        | T0-4-8344/E <sup>1)</sup> 014000  | T0-4-8344/EZ <sup>1)</sup> 014002 |           |
|                                       | 8               | 0                  | 0                  | 13                                           | 32                        | T3-4-8344/E <sup>4)</sup> 020593  | T3-4-8344/EZ <sup>4)</sup> 020595 |           |
|                                       | 8               | 0                  | 0                  | 22                                           | 63                        | T5B-4-8344/E <sup>6)</sup> 092064 |                                   |           |

Information relevant for export to North America



|                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1)<br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking<br>UL File No. E36332<br>UL CCN NLRV<br>CSA File No. 12528<br>CSA Class No. 3211-05<br>NA Certification<br>Suitable for<br>Degree of Protection<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor disconnect<br>IEC: IP65; UL/CSA Type 3R, 12              | 2)<br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking<br>UL File No. E36332<br>UL CCN NLRV<br>CSA File No. 12528<br>CSA Class No. 3211-05<br>NA Certification<br>Suitable for<br>Degree of Protection<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor disconnect<br>IEC: IP65; UL/CSA Type: –                   | 3)<br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking<br>UL File No. E36332<br>UL CCN NLRV<br>CSA File No. 12528<br>CSA Class No. 3211-05<br>NA Certification<br>Suitable for<br>Degree of Protection<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor disconnect<br>IEC: IP30; UL/CSA Type: –                       |
| 6)<br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking<br>UL File No. E36332<br>UL CCN NLRV<br>CSA File No. 12528<br>CSA Class No. 3211-07<br>NA Certification<br>Suitable for<br>Degree of Protection<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor disconnect<br>IEC: IP65; UL/CSA Type 1 | 7)<br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking<br>UL File No. E36332<br>UL CCN NLRV<br>CSA File No. 12528<br>CSA Class No. 3211-05<br>NA Certification<br>Suitable for<br>Degree of Protection<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor disconnect<br>IEC: IP65; UL/CSA Type: – | 8)<br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking<br>UL File No. E36332<br>UL CCN NLRV<br>CSA File No. 12528<br>CSA Class No. 3211-05<br>NA Certification<br>Suitable for<br>Degree of Protection<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor disconnect<br>IEC: IP65; UL/CSA Type 3R, 12 |

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| Surface mounting IP65              |                      |                      | Distribution board - mounting Front IP30 |                                    |                      | Rear mounting Front IP65          |                      |       | Std. pack | Information relevant for export to North America |
|------------------------------------|----------------------|----------------------|------------------------------------------|------------------------------------|----------------------|-----------------------------------|----------------------|-------|-----------|--------------------------------------------------|
|                                    | Part no. Article no. | Price See price list | Std. pack                                | Part no. Article no.               | Price See price list | Part no. Article no.              | Price See price list |       |           |                                                  |
| T0-3-8342/I1 207131                |                      |                      | 1 Off                                    | T0-3-8342/IVS <sup>3)</sup> 050743 |                      | T0-3-8342/Z <sup>1)</sup> 055489  |                      | 1 Off |           |                                                  |
| T3-3-8342/I2 <sup>4)</sup> 207187  |                      |                      | 1 Off                                    |                                    |                      | T3-3-8342/Z <sup>4)</sup> 052344  |                      |       |           |                                                  |
| T5B-3-8342/I4 <sup>5)</sup> 207226 |                      |                      | 1 Off                                    |                                    |                      | T5B-3-8342/Z <sup>6)</sup> 092297 |                      |       |           |                                                  |
| T0-4-8344/I1 207139                |                      |                      | 1 Off                                    | T0-4-8344/IVS <sup>3)</sup> 014006 |                      | T0-4-8344/Z <sup>1)</sup> 014009  |                      |       |           |                                                  |
| T3-4-8344/I2 <sup>4)</sup> 207194  |                      |                      | 1 Off                                    |                                    |                      | T3-4-8344/Z <sup>4)</sup> 020600  |                      |       |           |                                                  |
| T5B-4-8344/I4 <sup>5)</sup> 207233 |                      |                      | 1 Off                                    |                                    |                      |                                   |                      |       |           |                                                  |

|                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4)<br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking<br>UL File No. E36332<br>UL CCN NLRV<br>CSA File No. 12528<br>CSA Class No. 3211-07<br>NA Certification<br>Suitable for<br>Degree of Protection<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor disconnect<br>IEC: IP65; UL/CSA Type 3R, 12 | 5)<br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking<br>UL File No. E36332<br>UL CCN NLRV<br>CSA File No. 12528<br>CSA Class No. 3211-07<br>NA Certification<br>Suitable for<br>Degree of Protection<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor disconnect<br>IEC: IP65; UL/CSA Type: – |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Contact sequence                                                        |                    |                    |                                              |                             |                  | Flush mounting                     |                      | Std. pack |
|-------------------------------------------------------------------------|--------------------|--------------------|----------------------------------------------|-----------------------------|------------------|------------------------------------|----------------------|-----------|
| Front plate no.                                                         | Main contacts Pole | Auxiliary contacts | Max. motor rating: AC-23A 400/415 V 50/60 Hz | Rated uninterrupted current | Front IP65       | Part no. Article no.               | Price See price list |           |
| FS 908                                                                  | N/O                | N/O                | N/C                                          | 400 V P kW                  | I <sub>u</sub> A |                                    |                      |           |
| On-Off switches without emergency switching off/emergency stop function |                    |                    |                                              |                             |                  |                                    |                      |           |
| With auxiliary contacts With black thumb-grip and front plate           |                    |                    |                                              |                             |                  |                                    |                      |           |
|                                                                         | 3                  | 1                  | 0                                            | 6.5                         | 20               | T0-2-15679/E <sup>1)</sup> 029387  |                      | 1 Off     |
|                                                                         | 3                  | 1                  | 1                                            | 13                          | 25               |                                    |                      |           |
|                                                                         | 3                  | 1                  | 1                                            | 15                          | 32               |                                    |                      |           |
|                                                                         | 3                  | 2                  | 1                                            | 6.5                         | 20               | T0-3-15683/E <sup>1)</sup> 016619  |                      |           |
|                                                                         | 3                  | 2                  | 1                                            | 13                          | 32               | T3-3-15683/E <sup>3)</sup> 014377  |                      |           |
|                                                                         | 3 + N              | 1                  | 1                                            | 6.5                         | 20               | T0-3-8901/E <sup>1)</sup> 231938   |                      |           |
|                                                                         | 3 + N              | 1                  | 1                                            | 13                          | 32               | T3-3-8901/E <sup>3)</sup> 231949   |                      |           |
|                                                                         | 6                  | 1                  | 1                                            | 6.5                         | 20               | T0-4-15682/E <sup>1)</sup> 010405  |                      |           |
|                                                                         |                    |                    |                                              | 13                          | 32               | T3-4-15682/E <sup>3)</sup> 023869  |                      |           |
|                                                                         |                    |                    |                                              | 22                          | 63               | T5B-4-15682/E <sup>4)</sup> 207424 |                      |           |
|                                                                         |                    |                    |                                              | 30                          | 100              | T5-4-15682/E 207412                |                      |           |

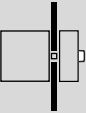
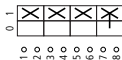
Information relevant for export to North America



|                      |                                                                           |                      |                                                                           |
|----------------------|---------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------|
| 1)                   |                                                                           | 2)                   |                                                                           |
| Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking                   | Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking                   |
| UL File No.          | E36332                                                                    | UL File No.          | E36332                                                                    |
| UL CCN               | NLRV                                                                      | UL CCN               | NLRV                                                                      |
| CSA File No.         | 12528                                                                     | CSA File No.         | 12528                                                                     |
| CSA Class No.        | 3211-05                                                                   | CSA Class No.        | 3211-05                                                                   |
| NA Certification     | UL Listed, CSA certified                                                  | NA Certification     | UL Listed, CSA certified                                                  |
| Suitable for         | Branch circuits, suitable as motor disconnect                             | Suitable for         | Branch circuits, suitable as motor disconnect                             |
| Degree of Protection | IEC: IP65; UL/CSA Type 3R, 12                                             | Degree of Protection | IEC: IP30; UL/CSA Type: –                                                 |
| 6)                   |                                                                           | 7)                   |                                                                           |
| Product Standards    | UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking | Product Standards    | UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking |
| UL File No.          | E36332                                                                    | UL File No.          | E36332                                                                    |
| UL CCN               | NLRV                                                                      | UL CCN               | NLRV                                                                      |
| CSA File No.         | 12528                                                                     | CSA File No.         | 12528                                                                     |
| CSA Class No.        | 3211-05                                                                   | CSA Class No.        | 3211-05                                                                   |
| NA Certification     | UL Listed, CSA certified                                                  | NA Certification     | UL Listed, CSA certified                                                  |
| Suitable for         | Branch circuits, suitable as motor disconnect                             | Suitable for         | Branch circuits, suitable as motor disconnect                             |
| Degree of Protection | IEC: IP65; UL/CSA Type: –                                                 | Degree of Protection | IEC: IP65; UL/CSA Type 3R, 12                                             |

| Center mounting Front IP65         |                      | Std. pack | Surface mounting IP65 <div>totally insulated</div> |                      | Std. pack | Distribution board - mounting Front IP30 |                      | Std. pack | Rear mounting Front IP65           |                      | Std. pack |
|------------------------------------|----------------------|-----------|----------------------------------------------------|----------------------|-----------|------------------------------------------|----------------------|-----------|------------------------------------|----------------------|-----------|
| Part no. Article no.               | Price See price list |           | Part no. Article no.                               | Price See price list |           | Part no. Article no.                     | Price See price list |           | Part no. Article no.               | Price See price list |           |
| T0-2-15679/EZ <sup>1)</sup> 031760 |                      | 1 Off     | T0-2-15679/I1 207094                               |                      | 1 Off     | T0-2-15679/IVS <sup>2)</sup> 036506      |                      | 1 Off     | T0-2-15679/Z <sup>1)</sup> 041252  |                      | 1 Off     |
|                                    |                      |           | P1-25/I2H/HI11 226899                              |                      |           |                                          |                      |           |                                    |                      |           |
|                                    |                      |           | P1-32/I2H/HI11 227867                              |                      |           |                                          |                      |           |                                    |                      |           |
| T0-3-15683/EZ <sup>1)</sup> 016658 |                      |           | T0-3-15683/I1 207118                               |                      |           | T0-3-15683/IVS <sup>2)</sup> 016722      |                      |           |                                    |                      |           |
|                                    |                      |           | T3-3-15683/I2 <sup>3)</sup> 207182                 |                      |           |                                          |                      |           |                                    |                      |           |
| T0-3-8901/EZ <sup>1)</sup> 231939  |                      |           | T0-3-8901/I1 231941                                |                      |           | T0-3-8901/IVS <sup>2)</sup> 231940       |                      |           |                                    |                      |           |
| T3-3-8901/EZ <sup>3)</sup> 231950  |                      |           | T3-3-8901/I2 <sup>3)</sup> 231951                  |                      |           |                                          |                      |           | T3-3-8901/Z <sup>3)</sup> 231952   |                      |           |
| T0-4-15682/EZ <sup>1)</sup> 012778 |                      |           | T0-4-15682/I1 207135                               |                      |           | T0-4-15682/IVS <sup>2)</sup> 017524      |                      |           | T0-4-15682/Z <sup>1)</sup> 022270  |                      |           |
|                                    |                      |           | T3-4-15682/I2 <sup>3)</sup> 207190                 |                      |           |                                          |                      |           | T3-4-15682/Z <sup>3)</sup> 030988  |                      |           |
|                                    |                      |           | T5B-4-15682/I4 <sup>5)</sup> 207229                |                      |           |                                          |                      |           | T5B-4-15682/Z <sup>4)</sup> 207429 |                      |           |
|                                    |                      |           | T5-4-15682/I5 207269                               |                      |           |                                          |                      |           | T5-4-15682/Z 207417                |                      |           |

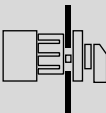
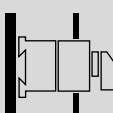
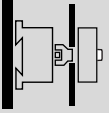
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|----------------------|---------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------|
| 3)                   |                                                                           | 4)                   |                                                                           | 5)                   |                                                                           |
| Product Standards    | UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking | Product Standards    | UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking | Product Standards    | UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking |
| UL File No.          | E36332                                                                    | UL File No.          | E36332                                                                    | UL File No.          | E36332                                                                    |
| UL CCN               | NLRV                                                                      | UL CCN               | NLRV                                                                      | UL CCN               | NLRV                                                                      |
| CSA File No.         | 12528                                                                     | CSA File No.         | 12528                                                                     | CSA File No.         | 12528                                                                     |
| CSA Class No.        | 3211-07                                                                   | CSA Class No.        | 3211-07                                                                   | CSA Class No.        | 3211-07                                                                   |
| NA Certification     | UL Listed, CSA certified                                                  | NA Certification     | UL Listed, CSA certified                                                  | NA Certification     | UL Listed, CSA certified                                                  |
| Suitable for         | Branch circuits, suitable as motor disconnect                             | Suitable for         | Branch circuits, suitable as motor disconnect                             | Suitable for         | Branch circuits, suitable as motor disconnect                             |
| Degree of Protection | IEC: IP65; UL/CSA Type 3R, 12                                             | Degree of Protection | IEC: IP65; UL/CSA Type 1                                                  | Degree of Protection | IEC: IP65; UL/CSA Type: –                                                 |

| Contact sequence                                                                    | Front plate no.<br><br>FS 908 | Main contacts<br>Pole | Auxiliary contacts | Max. motor rating:<br>AC-23A<br>400/415 V<br>50/60 Hz | Rated uninterrupted current | Flush mounting<br>Front IP65<br> | Part no.<br>Article no. | Price<br>See price list | Std. pack                                                                                    |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|-------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|----------------------------------------------------------------------------------------------|
|                                                                                     |                                                                                                                | N/O                   | N/O                | N/C                                                   | 400 V<br>P<br>kW            | I <sub>u</sub><br>A                                                                                                 |                         |                         |                                                                                              |
| On-Off switches as an emergency switching off/emergency stop device                 |                                                                                                                |                       |                    |                                                       |                             |                                                                                                                     |                         |                         |                                                                                              |
| With red thumb-grip and yellow front plate<br>To IEC/EN 60204-1, VDE 113 Part 1     |                                                                                                                |                       |                    |                                                       |                             |                                                                                                                     |                         |                         |                                                                                              |
|    | 1                                                                                                              | 0                     | 0                  | 6.5                                                   | 20                          | <b>T0-1-8200/E-RT<sup>1)</sup></b><br>009474                                                                        |                         |                         | 1 Off<br> |
|                                                                                     |                                                                                                                |                       |                    | 13                                                    | 32                          | <b>T3-1-8200/E-RT<sup>3)</sup></b><br>017025                                                                        |                         |                         |                                                                                              |
|                                                                                     |                                                                                                                |                       |                    | 22                                                    | 63                          | <b>T5B-1-8200/E-RT<sup>4)</sup></b><br>094280                                                                       |                         |                         |                                                                                              |
|                                                                                     |                                                                                                                |                       |                    | 30                                                    | 100                         | <b>T5-1-8200/E-RT</b><br>097225                                                                                     |                         |                         | 1 Off                                                                                        |
|    | 2                                                                                                              | 0                     | 0                  | 6.5                                                   | 20                          | <b>T0-1-102/E-RT<sup>1)</sup></b><br>009046                                                                         |                         |                         | 1 Off<br> |
|                                                                                     |                                                                                                                |                       |                    | 13                                                    | 32                          | <b>T3-1-102/E-RT<sup>1)</sup></b><br>016318                                                                         |                         |                         |                                                                                              |
|                                                                                     |                                                                                                                |                       |                    | 22                                                    | 63                          | <b>T5B-1-102/E-RT<sup>4)</sup></b><br>094470                                                                        |                         |                         |                                                                                              |
|   | 3                                                                                                              | 0                     | 0                  | 6.5                                                   | 20                          | <b>T0-2-1/E-RT<sup>1)</sup></b><br>011082                                                                           |                         |                         |                                                                                              |
|                                                                                     |                                                                                                                |                       |                    | 13                                                    | 25                          | <b>P1-25/E-RT<sup>1)</sup></b><br>002388                                                                            |                         |                         |                                                                                              |
|                                                                                     |                                                                                                                |                       |                    | 15                                                    | 32                          | <b>P1-32/E-RT<sup>1)</sup></b><br>003197                                                                            |                         |                         |                                                                                              |
|                                                                                     |                                                                                                                |                       |                    | 37                                                    | 63                          | <b>P3-63/E-RT<sup>7)</sup></b><br>005743                                                                            |                         |                         |                                                                                              |
|                                                                                     |                                                                                                                |                       |                    | 50                                                    | 100                         | <b>P3-100/E-RT<sup>7)</sup></b><br>007189                                                                           |                         |                         |                                                                                              |
|  | 3 + N                                                                                                          | 0                     | 0                  | 6.5                                                   | 20                          | <b>T0-2-8900/E-RT<sup>1)</sup></b><br>207399                                                                        |                         |                         |                                                                                              |

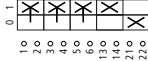
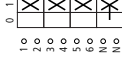
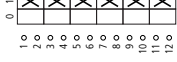
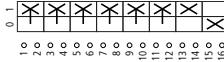
Information relevant for export to North America



|                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                        |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1)<br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br>Degree of Protection                        |  | 2)<br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br>Degree of Protection                            |  |
| UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br>E36332<br>NLRV<br>12528<br>3211-05<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor<br>disconnect<br>IEC: IP65; UL/CSA Type 3R, 12                  |  | UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking<br>E36332<br>NLRV<br>12528<br>3211-05<br>UL Listed, CSA certified<br>Branch circuits, suitable as<br>motor disconnect<br>IEC: IP30; UL/CSA Type: –                          |  |
| 6)<br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>CSA-C22.2 No. 94; IEC/EN 60947-3;<br>CE marking<br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br>Degree of Protection   |  | 7)<br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>CSA-C22.2 No. 94; IEC/EN<br>60947-3; CE marking<br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br>Degree of Protection       |  |
| UL 508; CSA-C22.2 No. 14-05;<br>CSA-C22.2 No. 94; IEC/EN 60947-3;<br>CE marking<br>E36332<br>NLRV<br>12528<br>3211-05<br>UL Listed, CSA certified<br>Branch circuits, suitable as motor<br>disconnect<br>IEC: IP65; UL/CSA Type: – |  | UL 508; CSA-C22.2 No. 14-05;<br>CSA-C22.2 No. 94; IEC/EN<br>60947-3; CE marking<br>E36332<br>NLRV<br>12528<br>3211-05<br>UL Listed, CSA certified<br>Branch circuits, suitable as<br>motor disconnect<br>IEC: IP65; UL/CSA Type 3R, 12 |  |

| Center mounting<br>Front IP65<br> | Std. pack               | Surface mounting<br>IP65<br><br><small>totally insulated</small> | Std. pack               | Distribution board - mounting<br>Front IP30<br> | Std. pack                                      | Rear mounting<br>Front IP65<br> | Std. pack               |
|----------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------|
| Part no.<br>Article no.                                                                                              | Price<br>See price list | Part no.<br>Article no.                                                                                                                             | Price<br>See price list | Part no.<br>Article no.                                                                                                            | Price<br>See price list                        | Part no.<br>Article no.                                                                                            | Price<br>See price list |
|                                                                                                                      |                         |                                                                                                                                                     |                         |                                                                                                                                    |                                                |                                                                                                                    |                         |
|                                                                                                                      |                         | <b>T0-1-8200/11-RT</b><br>207075                                                                                                                    |                         | 1 Off                                                                                                                              | <b>T0-1-8200/IVS-RT<sup>2)</sup></b><br>081956 | 1 Off<br>                       |                         |
|                                                                                                                      |                         |                                                                                                                                                     |                         |                                                                                                                                    |                                                |                                                                                                                    |                         |
|                                                                                                                      |                         |                                                                                                                                                     |                         |                                                                                                                                    |                                                |                                                                                                                    |                         |
|                                                                                                                      |                         |                                                                                                                                                     |                         |                                                                                                                                    |                                                |                                                                                                                    |                         |
|                                                                                                                      |                         | <b>T0-1-102/11-RT</b><br>207062                                                                                                                     |                         | 1 Off                                                                                                                              | <b>T0-1-102/IVS-RT<sup>2)</sup></b><br>079583  |                                                                                                                    |                         |
|                                                                                                                      |                         | <b>T3-1-102/12-RT<sup>3)</sup></b><br>207166                                                                                                        |                         | 1 Off<br>                                       |                                                |                                                                                                                    |                         |
|                                                                                                                      |                         |                                                                                                                                                     |                         |                                                                                                                                    |                                                |                                                                                                                    |                         |
|                                                                                                                      |                         | <b>T0-2-1/11-RT</b><br>207082                                                                                                                       |                         | 1 Off                                                                                                                              | <b>T0-2-1/IVS-RT<sup>2)</sup></b><br>084329    |                                                                                                                    |                         |
|                                                                                                                      |                         | <b>P1-25/12-RT<sup>7)</sup></b><br>207300                                                                                                           |                         | 1 Off<br>                                     | <b>P1-25/IVS-RT<sup>6)</sup></b><br>013140     |                                                                                                                    |                         |
|                                                                                                                      |                         | <b>P1-32/12-RT<sup>7)</sup></b><br>207321                                                                                                           |                         | 1 Off<br>                                     | <b>P1-32/IVS-RT<sup>6)</sup></b><br>022632     |                                                                                                                    |                         |
|                                                                                                                      |                         | <b>P3-63/14-RT<sup>7)</sup></b><br>207357                                                                                                           |                         | 1 Off<br>                                     | <b>P3-63/IVS-RT<sup>6)</sup></b><br>045845     |                                                                                                                    |                         |
|                                                                                                                      |                         | <b>P3-100/15-RT<sup>7)</sup></b><br>207382                                                                                                          |                         | 1 Off<br>                                     | <b>P3-100/IVS-RT<sup>6)</sup></b><br>086185    |                                                                                                                    |                         |
|                                                                                                                      |                         | <b>T0-2-8900/11-RT</b><br>207110                                                                                                                    |                         | 1 Off                                                                                                                              | <b>T0-2-8900/IVS-RT<sup>2)</sup></b><br>207404 |                                                                                                                    |                         |

|                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                    |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 3)<br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>CSA-C22.2 No. 94; IEC/EN 60947-3;<br>CE marking<br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br>Degree of Protection       |  | 4)<br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>CSA-C22.2 No. 94;<br>IEC/EN 60947-3; CE marking<br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br>Degree of Protection  |  | 5)<br>Product Standards<br>UL 508; CSA-C22.2 No. 14-05;<br>CSA-C22.2 No. 94;<br>IEC/EN 60947-3; CE marking<br>UL File No.<br>UL CCN<br>CSA File No.<br>CSA Class No.<br>NA Certification<br>Suitable for<br>Degree of Protection   |  |
| UL 508; CSA-C22.2 No. 14-05;<br>CSA-C22.2 No. 94; IEC/EN 60947-3;<br>CE marking<br>E36332<br>NLRV<br>12528<br>3211-07<br>UL Listed, CSA certified<br>Branch circuits, suitable as<br>motor disconnect<br>IEC: IP65; UL/CSA Type 3R, 12 |  | UL 508; CSA-C22.2 No. 14-05;<br>CSA-C22.2 No. 94;<br>IEC/EN 60947-3; CE marking<br>E36332<br>NLRV<br>12528<br>3211-07<br>UL Listed, CSA certified<br>Branch circuits, suitable as<br>motor disconnect<br>IEC: IP65; UL/CSA Type 1 |  | UL 508; CSA-C22.2 No. 14-05;<br>CSA-C22.2 No. 94;<br>IEC/EN 60947-3; CE marking<br>E36332<br>NLRV<br>12528<br>3211-07<br>UL Listed, CSA certified<br>Branch circuits, suitable as<br>motor disconnect<br>IEC: IP65; UL/CSA Type: – |  |

| Contact sequence                                                                    | Front plate no. | Main contacts Pole | Auxiliary contacts | Max. motor rating AC-23 A, 400/415 V, 50/60 Hz | Rated uninterrupted current | As an emergency switching off/ emergency stop device <sup>1)</sup><br>Surface mounting<br>IP65 |                                                                                     |                         |
|-------------------------------------------------------------------------------------|-----------------|--------------------|--------------------|------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|
|    | FS 908          |                    |                    |                                                |                             |             |  |                         |
|                                                                                     |                 | N/O                | N/O                | N/C                                            | 400 V<br>P<br>kW            | I <sub>u</sub><br>A                                                                            | Part no.<br>Article no.                                                             | Price<br>See price list |
| Std. pack                                                                           |                 |                    |                    |                                                |                             |                                                                                                |                                                                                     |                         |
| Safety switches with warning label                                                  |                 |                    |                    |                                                |                             |                                                                                                |                                                                                     |                         |
|    |                 | 3                  | 0                  | 0                                              | 13                          | 25                                                                                             | P1-25/I2-SI <sup>3)</sup><br>207308                                                 |                         |
|                                                                                     |                 |                    |                    |                                                | 15                          | 32                                                                                             | P1-32/I2-SI <sup>3)</sup><br>207329                                                 |                         |
|                                                                                     |                 |                    |                    |                                                | 37                          | 63                                                                                             | P3-63/I4-SI <sup>3)</sup><br>207361                                                 |                         |
|                                                                                     |                 |                    |                    |                                                | 50                          | 100                                                                                            | P3-100/I5-SI <sup>3)</sup><br>207386                                                |                         |
|    |                 | 3                  | 1                  | 1                                              | 13                          | 25                                                                                             | P1-25/I2-SI/HI11 <sup>3)</sup><br>207310                                            |                         |
|                                                                                     |                 |                    |                    |                                                | 15                          | 32                                                                                             | P1-32/I2-SI/HI11 <sup>3)</sup><br>207331                                            |                         |
|                                                                                     |                 |                    |                    |                                                | 37                          | 63                                                                                             | P3-63/I4-SI/HI11 <sup>3)</sup><br>207363                                            |                         |
|                                                                                     |                 |                    |                    |                                                | 50                          | 100                                                                                            | P3-100/I5-SI/HI11 <sup>3)</sup><br>207388                                           |                         |
|    |                 | 3 + N              | 0                  | 0                                              | 13                          | 25                                                                                             | P1-25/I2-SI/N <sup>3)</sup><br>207312                                               |                         |
|                                                                                     |                 |                    |                    |                                                | 15                          | 32                                                                                             | P1-32/I2-SI/N <sup>3)</sup><br>207333                                               |                         |
|                                                                                     |                 |                    |                    |                                                | 37                          | 63                                                                                             | P3-63/I4-SI/N <sup>3)</sup><br>207365                                               |                         |
|                                                                                     |                 |                    |                    |                                                | 50                          | 100                                                                                            | P3-100/I5-SI/N <sup>3)</sup><br>207390                                              |                         |
|  |                 | 6                  | 0                  | 0                                              | 22                          | 63                                                                                             | T5B-3-8342/I4-SI <sup>4)</sup><br>207250                                            |                         |
|                                                                                     |                 | 6                  | 0                  | 0                                              | 30                          | 100                                                                                            | T5-3-8342/I5-SI <sup>4)</sup><br>207447                                             |                         |
|  |                 | 6                  | 1                  | 1                                              | 22                          | 63                                                                                             | T5B-4-15682/I4-SI <sup>4)</sup><br>207254                                           |                         |
|                                                                                     |                 | 6                  | 1                  | 1                                              | 30                          | 100                                                                                            | T5-4-15682/I5-SI <sup>4)</sup><br>207285                                            |                         |
|  |                 | 6                  | 2                  | 0                                              | 22                          | 63                                                                                             | T5B-4-8903/I4-SI <sup>4)</sup><br>207258                                            |                         |
|                                                                                     |                 | 6                  | 2                  | 0                                              | 30                          | 100                                                                                            | T5-4-8903/I5-SI <sup>4)</sup><br>207289                                             |                         |

Notes

<sup>1)</sup> Surface mounting IP65 : With red rotary handle and yellow locking collar with auxiliary contacts , lockable in position 0 with cover interlock, according to IEC/EN 60204-1, VDE 0113 Part 1

<sup>2)</sup> Surface mounting IP65 : With black rotary handle and locking collar with auxiliary contacts Lockable in position 0 with cover interlock

|                                                                                                    |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------|-------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Without emergency switching off/ emergency stop function <sup>2)</sup><br>Surface mounting<br>IP65 |                         | <div>Totally insulated</div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <div><div></div><div></div><div></div><div></div></div>                                            |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Part no.<br>Article no.                                                                            | Price<br>See price list | Std. pack                    | Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                    |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P1-25/I2-SI-SW <sup>3)</sup><br>207309                                                             |                         | 1 Off                        | <div>Engineering</div> <p>Maintenance, repair and safety switches all have the same electrical function. They are designed to safely isolate electrical installations (loads) from mains power during maintenance and repair work and to ensure that a hazard does not arise which endangers personnel, machinery and production materials.</p> <p>A safety switch is an additional enclosed main switch = isolator dedicated to an individual electrical load and mounted in the immediate vicinity of the motor or the electrical load. This is particularly important if there is any danger of the main switch being inadvertently operated.</p> <div>Application</div> <p>By using his padlock (up to 3), each fitter/electrician involved can protect themselves by preventing unauthorized personnel from switching the unit on. Maintenance/manual override switches are simply additional enclosed main switches with a padlocking feature.</p> <p>Enclosed main switch with padlocking facility</p> <div>Features</div> <ul style="list-style-type: none"><li>• Safety switches are always housed in insulated enclosures and have an inscription saying "Safety Switch" on a bright orange label.</li><li>• Switches to be used for emergency stop switching have a red handle and yellow locking collar in accordance with STOP category 0 (as per IEC/EN 60204/VDE 0113).</li><li>• If the switch is not approved for emergency stop switching, both parts will be black ("SW" part no. suffix).</li><li>• The cover and handle are interlocked by fitting a padlock.</li></ul> <div>Selection</div> <p>The switches must be selected according to the following performance specifications:</p> <p>1) According to motor switching capacity, when the switch is fitted in such a way that the operator may use it for operational ON and OFF switching.</p> <p>2) The rating data always applies to 3 poles. When the motor rating is divided between 6 poles, such as for star-delta switching, a 6 pole switch can be used to control 1.73 times the rated power.</p> <p>3) If the switch has a load-shedding Contact (LA), you can select the appropriate switch according to the uninterrupted current. The load-shedding contact is an auxiliary contact, which is closed in the ON position and opens early when switching off, so that a contactor located in the circuit takes over the switching duty and the maintenance/safety switch operates at zero load. When switching on, the load-shedding contact closes later than or at the same time as the main contacts. With P and T switches this is the N/O auxiliary contact</p> <p>4)The "ON" position can be locked with a padlock (by altering the handle).</p> <p>This is not permissible for switches with a red/yellow handle.</p> <div>Safety switch with load shedding and signaling</div> |
| P1-32/I2-SI-SW <sup>3)</sup><br>207330                                                             |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P3-63/I4-SI-SW <sup>3)</sup><br>207362                                                             |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P3-100/I5-SI-SW <sup>3)</sup><br>207387                                                            |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P1-25/I2-SI/HI11-SW <sup>3)</sup><br>207311                                                        |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P1-32/I2-SI/HI11-SW <sup>3)</sup><br>207332                                                        |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P3-63/I4-SI/HI11-SW <sup>3)</sup><br>207364                                                        |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P3-100/I5-SI/HI11-SW <sup>3)</sup><br>207389                                                       |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P1-25/I2-SI/N-SW <sup>3)</sup><br>207313                                                           |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P1-32/I2-SI/N-SW <sup>3)</sup><br>207334                                                           |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P3-63/I4-SI/N-SW <sup>3)</sup><br>207366                                                           |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P3-100/I5-SI/N-SW <sup>3)</sup><br>207391                                                          |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| T5B-3-8342/I4-SI-SW <sup>4)</sup><br>207251                                                        |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| T5-3-8342/I5-SI-SW <sup>4)</sup><br>207448                                                         |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| T5B-4-15682/I4-SI-SW <sup>4)</sup><br>207255                                                       |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| T5-4-15682/I5-SI-SW <sup>4)</sup><br>207286                                                        |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| T5B-4-8903/I4-SI-SW <sup>4)</sup><br>207259                                                        |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| T5-4-8903/I5-SI-SW <sup>4)</sup><br>207290                                                         |                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

**Selection**  
The switches must be selected according to the following performance specifications:

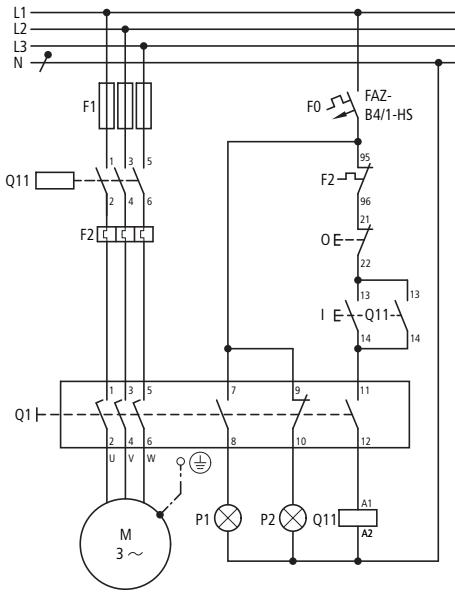
1) According to motor switching capacity, when the switch is fitted in such a way that the operator may use it for operational ON and OFF switching.

2) The rating data always applies to 3 poles. When the motor rating is divided between 6 poles, such as for star-delta switching, a 6 pole switch can be used to control 1.73 times the rated power.

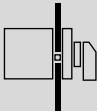
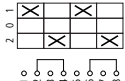
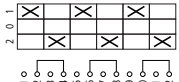
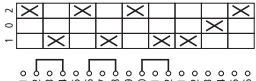
3) If the switch has a load-shedding Contact (LA), you can select the appropriate switch according to the uninterrupted current. The load-shedding contact is an auxiliary contact, which is closed in the ON position and opens early when switching off, so that a contactor located in the circuit takes over the switching duty and the maintenance/safety switch operates at zero load. When switching on, the load-shedding contact closes later than or at the same time as the main contacts. With P and T switches this is the N/O auxiliary contact.

4)The "ON" position can be locked with a padlock (by altering the handle).  
This is not permissible for switches with a red/yellow handle.

Safety switch with load shedding and signaling





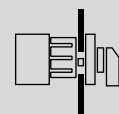
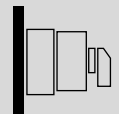
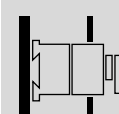
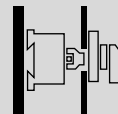
| Contact sequence                                                                                 | Front plate no.                                                                               | Main contacts Pole                                                                       | Max. operating power<br>AC-23A<br>400/415 V<br>50/60 Hz | Rated uninterrupted current | Flush mounting<br>Front IP65<br> | Part no.<br>Article no. | Price<br>See price list | Std. pack                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                  |                                                                                               | N/0<br> | 400 V<br>P<br>kW                                        | I <sub>u</sub><br>A         |                                                                                                                     |                         |                         |                                                                                                                                                                                  |
| <b>Changeover switches</b>                                                                       |                                                                                               |                                                                                          |                                                         |                             |                                                                                                                     |                         |                         |                                                                                                                                                                                  |
| With black thumb-grip and front plate<br>without emergency switching off/emergency stop function |                                                                                               |                                                                                          |                                                         |                             |                                                                                                                     |                         |                         |                                                                                                                                                                                  |
|                 | <br>FS 684   | 1                                                                                        | 6.5                                                     | 20                          | <b>T0-1-8210/E<sup>1)</sup></b><br>012742                                                                           |                         |                         | 1 Off<br>  |
|                                                                                                  |                                                                                               |                                                                                          | 13                                                      | 32                          | <b>T3-1-8210/E<sup>1)</sup></b><br>054718                                                                           |                         |                         |                                                                                                                                                                                  |
|                                                                                                  |                                                                                               |                                                                                          | 22                                                      | 63                          | <b>T5B-1-8210/E<sup>5)</sup></b><br>094261                                                                          |                         |                         |                                                                                                                                                                                  |
|                 | <br>FS 4011  | 1                                                                                        | 6.5                                                     | 20                          |                                                                                                                     |                         |                         |                                                                                                                                                                                  |
|                 | <br>FS 684   | 2                                                                                        | 6.5                                                     | 20                          | <b>T0-2-8211/E<sup>1)</sup></b><br>022234                                                                           |                         |                         |                                                                                                                                                                                  |
|                                                                                                  |                                                                                               |                                                                                          | 13                                                      | 32                          | <b>T3-2-8211/E<sup>1)</sup></b><br>061837                                                                           |                         |                         |                                                                                                                                                                                  |
|                                                                                                  |                                                                                               |                                                                                          | 22                                                      | 63                          | <b>T5B-2-8211/E<sup>5)</sup></b><br>093094                                                                          |                         |                         |                                                                                                                                                                                  |
|                |                                                                                               | 3                                                                                        | 6.5                                                     | 20                          | <b>T0-3-8212/E<sup>1)</sup></b><br>029353                                                                           |                         |                         |                                                                                                                                                                                  |
|                                                                                                  |                                                                                               |                                                                                          | 13                                                      | 32                          | <b>T3-3-8212/E<sup>1)</sup></b><br>068956                                                                           |                         |                         |                                                                                                                                                                                  |
|                                                                                                  |                                                                                               |                                                                                          | 22                                                      | 63                          | <b>T5B-3-8212/E<sup>5)</sup></b><br>092386                                                                          |                         |                         |                                                                                                                                                                                  |
|                                                                                                  |                                                                                               |                                                                                          | 30                                                      | 100                         | <b>T5-3-8212/E</b><br>096466                                                                                        |                         |                         | 1 Off                                                                                                                                                                            |
|               | <br>FS 684 | 3                                                                                        | 55                                                      | 160                         | <b>T6-3-8212/E/HI12</b><br>214781                                                                                   |                         |                         | 1 Off                                                                                                                                                                            |
|                                                                                                  |                                                                                               | 3                                                                                        | 132                                                     | 315                         | <b>T8-3-8212/E/HI12</b><br>214782                                                                                   |                         |                         | 1 Off                                                                                                                                                                            |

## Information relevant for export to North America

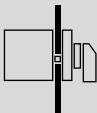
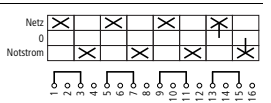
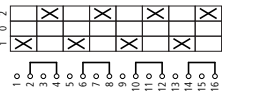
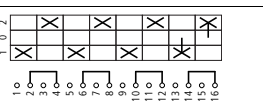


|    |                      |                                                            |    |                      |                                                            |
|----|----------------------|------------------------------------------------------------|----|----------------------|------------------------------------------------------------|
| 1) | Product Standards    | UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking | 2) | Product Standards    | UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking |
|    | UL File No.          | E36332                                                     |    | UL File No.          | E36332                                                     |
|    | UL CCN               | NLRV                                                       |    | UL CCN               | NLRV                                                       |
|    | CSA File No.         | 12528                                                      |    | CSA File No.         | 12528                                                      |
|    | CSA Class No.        | 3211-05                                                    |    | CSA Class No.        | 3211-05                                                    |
|    | NA Certification     | UL Listed, CSA certified                                   |    | NA Certification     | UL Listed, CSA certified                                   |
|    | Suitable for         | Branch circuits                                            |    | Suitable for         | Branch circuits                                            |
|    | Degree of Protection | IEC: IP65; UL/CSA Type 3R, 12                              |    | Degree of Protection | IEC: IP30; UL/CSA Type: –                                  |



| Center mounting                                                                     |                            | Surface mounting                                                                                                                                                                 |                                              | Distribution board mounting                                                         |                                                                                                                                                                                  | Rear mounting                                                                       |                            |                                                                                                                                                                                  |                                             |  |
|-------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--|
| Front IP65                                                                          |                            | IP65 <div>totally insulated</div>                                                                                                                                                |                                              | Front IP30                                                                          |                                                                                                                                                                                  | Front IP65                                                                          |                            |                                                                                                                                                                                  |                                             |  |
|  |                            |                                                                                               |                                              |  |                                                                                                                                                                                  |  |                            |                                                                                                                                                                                  |                                             |  |
| Part no.<br>Article no.                                                             | Price<br>See<br>price list | Std. pack                                                                                                                                                                        | Part no.<br>Article no.                      | Price<br>See<br>price list                                                          | Std. pack                                                                                                                                                                        | Part no.<br>Article no.                                                             | Price<br>See<br>price list | Std. pack                                                                                                                                                                        |                                             |  |
|                                                                                     |                            |                                                                                                                                                                                  |                                              |                                                                                     |                                                                                                                                                                                  |                                                                                     |                            |                                                                                                                                                                                  |                                             |  |
| <b>T0-1-8210/EZ<sup>(1)</sup></b><br>048337                                         |                            | 1 Off<br>  | <b>T0-1-8210/I1</b><br>207076                |                                                                                     | 1 Off<br>  | <b>T0-1-8210/IVS<sup>(2)</sup></b><br>074440                                        |                            | 1 Off<br>  |                                             |  |
| <b>T3-1-8210/EZ<sup>(1)</sup></b><br>003072                                         |                            |                                                                                                                                                                                  | <b>T3-1-8210/I2<sup>(3)</sup></b><br>207169  |                                                                                     |                                                                                                                                                                                  | <b>T3-1-8210/IVS<sup>(2)</sup></b><br>074440                                        |                            |                                                                                                                                                                                  | <b>T3-1-8210/Z<sup>(1)</sup></b><br>057091  |  |
|                                                                                     |                            |                                                                                                                                                                                  | <b>T5B-1-8210/I4<sup>(4)</sup></b><br>207432 |                                                                                     |                                                                                                                                                                                  |                                                                                     |                            |                                                                                                                                                                                  | <b>T5B-1-8210/Z<sup>(5)</sup></b><br>094258 |  |
| <b>T0-1-8214/EZ<sup>(1)</sup></b><br>076815                                         |                            |                                                                                                                                                                                  |                                              |                                                                                     |                                                                                                                                                                                  |                                                                                     |                            |                                                                                                                                                                                  | <b>T0-1-8214/Z<sup>(1)</sup></b><br>050720  |  |
| <b>T0-2-8211/EZ<sup>(1)</sup></b><br>053083                                         |                            |                                                                                                                                                                                  | <b>T0-2-8211/I1</b><br>207102                |                                                                                     |                                                                                                                                                                                  | <b>T0-2-8211/IVS<sup>(2)</sup></b><br>076813                                        |                            |                                                                                                                                                                                  | <b>T0-2-8211/Z<sup>(1)</sup></b><br>029354  |  |
| <b>T3-2-8211/EZ<sup>(1)</sup></b><br>003075                                         |                            |                                                                                                                                                                                  | <b>T3-2-8211/I2<sup>(3)</sup></b><br>207178  |                                                                                     |                                                                                                                                                                                  |                                                                                     |                            |                                                                                                                                                                                  | <b>T3-2-8211/Z<sup>(1)</sup></b><br>064210  |  |
|                                                                                     |                            |                                                                                                                                                                                  | <b>T5B-2-8211/I4<sup>(4)</sup></b><br>207220 |                                                                                     |                                                                                                                                                                                  |                                                                                     |                            |                                                                                                                                                                                  | <b>T5B-2-8211/Z<sup>(5)</sup></b><br>093082 |  |
| <b>T0-3-8212/EZ<sup>(1)</sup></b><br>057829                                         |                            |                                                                                                                                                                                  | <b>T0-3-8212/I1</b><br>207123                |                                                                                     |                                                                                                                                                                                  | <b>T0-3-8212/IVS<sup>(2)</sup></b><br>079186                                        |                            |                                                                                                                                                                                  | <b>T0-3-8212/Z<sup>(1)</sup></b><br>036473  |  |
| <b>T3-3-8212/EZ<sup>(1)</sup></b><br>003080                                         |                            |                                                                                                                                                                                  | <b>T3-3-8212/I2<sup>(3)</sup></b><br>207183  |                                                                                     |                                                                                                                                                                                  |                                                                                     |                            |                                                                                                                                                                                  | <b>T3-3-8212/Z<sup>(1)</sup></b><br>071329  |  |
|                                                                                     |                            |                                                                                                                                                                                  | <b>T5B-3-8212/I4<sup>(4)</sup></b><br>207223 |                                                                                     |                                                                                                                                                                                  |                                                                                     |                            |                                                                                                                                                                                  | <b>T5B-3-8212/Z<sup>(5)</sup></b><br>092383 |  |
|                                                                                     |                            | <b>T5-3-8212/I5</b><br>207266                                                                                                                                                    |                                              |                                                                                     |                                                                                                                                                                                  | <b>T5-3-8212/Z</b><br>096464                                                        |                            | 1 Off                                                                                                                                                                            |                                             |  |

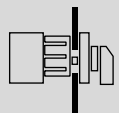
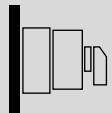
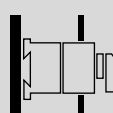
|                      |                                                                                 |                      |                                                            |                      |                                                            |
|----------------------|---------------------------------------------------------------------------------|----------------------|------------------------------------------------------------|----------------------|------------------------------------------------------------|
| 3)                   |                                                                                 | 4)                   |                                                            | 5)                   |                                                            |
| Product Standards    | UL 508; CSA-C22.2 No. 14-05;<br>CSA-C22.2 No. 94; IEC/EN 60947-3;<br>CE marking | Product Standards    | UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking | Product Standards    | UL 508; CSA-C22.2 No. 14-05;<br>IEC/EN 60947-3; CE marking |
| UL File No.          | E36332                                                                          | UL File No.          | E36332                                                     | UL File No.          | E36332                                                     |
| UL CCN               | NLRV                                                                            | UL CCN               | NLRV7                                                      | UL CCN               | NLRV7                                                      |
| CSA File No.         | 12528                                                                           | CSA File No.         | 12528                                                      | CSA File No.         | 12528                                                      |
| CSA Class No.        | 3211-05                                                                         | CSA Class No.        | 3211-05                                                    | CSA Class No.        | 3211-05                                                    |
| NA Certification     | UL Listed, CSA certified                                                        | NA Certification     | UL Listed, CSA certified                                   | NA Certification     | UL Listed, CSA certified                                   |
| Suitable for         | Branch circuits                                                                 | Suitable for         | Branch circuits                                            | Suitable for         | Branch circuits                                            |
| Degree of Protection | IEC: IP65; UL/CSA Type 3R, 12                                                   | Degree of Protection | IEC: IP65; UL/CSA Type: –                                  | Degree of Protection | IEC: IP65; UL/CSA Type 1                                   |

| Contact sequence                                                                                 | Front plate no. | Main contacts Pole | Max. operating power AC-23A 400/415 V 50/60 Hz | Rated uninterrupted current | Flush mounting Front IP65                                                           | Part no. Article no. | Price See price list | Std. pack                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------|-----------------|--------------------|------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------|----------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                  |                 | N/O                | 400 V P kW                                     | I <sub>u</sub> A            |  |                      |                      |                                                                                                                                                                               |
| <b>Changeover switches</b>                                                                       |                 |                    |                                                |                             |                                                                                     |                      |                      |                                                                                                                                                                               |
| With black thumb-grip and front plate<br>Without emergency switching off/emergency stop function |                 |                    |                                                |                             |                                                                                     |                      |                      |                                                                                                                                                                               |
|                 | FS 161629       | 4                  | 13                                             | 32                          | <b>T3-4-8902/E<sup>1)</sup></b><br>215222                                           |                      |                      | 1 Off   |
|                                                                                                  |                 |                    | 22                                             | 63                          | <b>T5B-4-8902/E<sup>5)</sup></b><br>207430                                          |                      |                      |                                                                                                                                                                               |
|                                                                                                  |                 |                    | 30                                             | 100                         | <b>T5-4-8902/E</b><br>207418                                                        |                      |                      |                                                                                                                                                                               |
|                 | FS 684          | 4                  | 6.5                                            | 20                          | <b>T0-4-8213/E<sup>1)</sup></b><br>031726                                           |                      |                      |                                                                                                                                                                               |
|                                                                                                  |                 |                    | 13                                             | 32                          | <b>T3-4-8213/E<sup>1)</sup></b><br>076075                                           |                      |                      |                                                                                                                                                                               |
|                                                                                                  |                 |                    | 22                                             | 63                          | <b>T5B-4-8213/E<sup>5)</sup></b><br>092112                                          |                      |                      |                                                                                                                                                                               |
|                                                                                                  |                 |                    | 30                                             | 100                         | <b>T5-4-8213/E</b><br>096014                                                        |                      |                      |                                                                                                                                                                               |
|                | FS 953          | 4                  | 6.5                                            | 20                          | <b>T0-4-8294/E<sup>1)</sup></b><br>010371                                           |                      |                      |                                                                                                                                                                               |
|                                                                                                  |                 |                    | 13                                             | 32                          | <b>T3-4-8294/E<sup>1)</sup></b><br>002513                                           |                      |                      |                                                                                                                                                                               |
|                                                                                                  |                 |                    | 22                                             | 63                          | <b>T5B-4-8294/E<sup>5)</sup></b><br>092084                                          |                      |                      |                                                                                                                                                                               |
|                                                                                                  |                 |                    | 30                                             | 100                         | <b>T5-4-8294/E</b><br>095986                                                        |                      |                      | 1 Off                                                                                                                                                                         |

Information relevant for export to North America



|                               |                                                         |                               |                                                         |
|-------------------------------|---------------------------------------------------------|-------------------------------|---------------------------------------------------------|
| 1)                            |                                                         | 2)                            |                                                         |
| Product Standards             | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking | Product Standards             | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.                   | E36332                                                  | UL File No.                   | E36332                                                  |
| UL CCN                        | NLRV                                                    | UL CCN                        | NLRV                                                    |
| CSA File No.                  | 12528                                                   | CSA File No.                  | 12528                                                   |
| CSA Class No.                 | 3211-05                                                 | CSA Class No.                 | 3211-05                                                 |
| NA Certification Suitable for | UL Listed, CSA certified Branch circuits                | NA Certification Suitable for | UL Listed, CSA certified Branch circuits                |
| Degree of Protection          | IEC: IP65; UL/CSA Type 3R, 12                           | Degree of Protection          | IEC: IP30; UL/CSA Type: –                               |

| Center mounting Front IP65                                                          |                      |                      | Surface mounting IP65                                                                                                                                                         |                                                                                     |                      | Distribution board mounting Front IP30 |                                                                                                                                                                                   |                                                                                     | Rear mounting Front IP65                   |                      |                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------|----------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Part no. Article no. | Price See price list | Std. pack                                                                                                                                                                     |  | Part no. Article no. | Price See price list                   | Std. pack                                                                                                                                                                         |  | Part no. Article no.                       | Price See price list | Std. pack                                                                                                                                                                         |
| <b>T3-4-8902/EZ<sup>1)</sup></b><br>215223                                          |                      |                      | 1 Off   | <b>T3-4-8902/I2<sup>3)</sup></b><br>215224                                          |                      |                                        | 1 Off       |                                                                                     | <b>T3-4-8902/Z<sup>1)</sup></b><br>215225  |                      | 1 Off       |
|                                                                                     |                      |                      |                                                                                                                                                                               | <b>T5B-4-8902/I4<sup>4)</sup></b><br>207237                                         |                      |                                        | 1 Off       |                                                                                     | <b>T5B-4-8902/Z<sup>5)</sup></b><br>207431 |                      | 1 Off       |
|                                                                                     |                      |                      |                                                                                                                                                                               | <b>T5-4-8902/I5</b><br>207214                                                       |                      |                                        | 1 Off                                                                                                                                                                             |                                                                                     | <b>T5-4-8902/Z</b><br>207419               |                      | 1 Off                                                                                                                                                                             |
| <b>T0-4-8213/EZ<sup>1)</sup></b><br>062575                                          |                      |                      | 1 Off   | <b>T0-4-8213/I1</b><br>207136                                                       |                      |                                        | 1 Off                                                                                                                                                                             | <b>T0-4-8213/IVS<sup>2)</sup></b><br>081559                                         |                                            |                      | 1 Off       |
| <b>T3-4-8213/EZ<sup>1)</sup></b><br>003079                                          |                      |                      | 1 Off   | <b>T3-4-8213/I2<sup>3)</sup></b><br>207191                                          |                      |                                        | 1 Off       |                                                                                     | <b>T3-4-8213/Z<sup>1)</sup></b><br>078448  |                      |                                                                                                                                                                                   |
|                                                                                     |                      |                      |                                                                                                                                                                               | <b>T5B-4-8213/I4<sup>4)</sup></b><br>207230                                         |                      |                                        | 1 Off       |                                                                                     | <b>T5B-4-8213/Z<sup>5)</sup></b><br>092109 |                      |                                                                                                                                                                                   |
|                                                                                     |                      |                      |                                                                                                                                                                               | <b>T5-4-8213/I5</b><br>207270                                                       |                      |                                        | 1 Off                                                                                                                                                                             |                                                                                     | <b>T5-4-8213/Z</b><br>096012               |                      | 1 Off                                                                                                                                                                             |
| <b>T0-4-8294/EZ<sup>1)</sup></b><br>072069                                          |                      |                      | 1 Off   | <b>T0-4-8294/I1</b><br>207138                                                       |                      |                                        | 1 Off                                                                                                                                                                             | <b>T0-4-8294/IVS<sup>2)</sup></b><br>043594                                         |                                            |                      | 1 Off       |
|                                                                                     |                      |                      |                                                                                                                                                                               | <b>T3-4-8294/I2<sup>3)</sup></b><br>207193                                          |                      |                                        | 1 Off     |                                                                                     | <b>T3-4-8294/Z<sup>1)</sup></b><br>004886  |                      | 1 Off     |
|                                                                                     |                      |                      |                                                                                                                                                                               | <b>T5B-4-8294/I4<sup>4)</sup></b><br>207232                                         |                      |                                        | 1 Off   |                                                                                     | <b>T5B-4-8294/Z<sup>5)</sup></b><br>092081 |                      | 1 Off   |
|                                                                                     |                      |                      |                                                                                                                                                                               | <b>T5-4-8294/I5</b><br>207433                                                       |                      |                                        | 1 Off                                                                                                                                                                             |                                                                                     | <b>T5-4-8294/Z</b><br>095984               |                      | 1 Off                                                                                                                                                                             |

|                               |                                                                           |                               |                                                         |                               |                                                         |
|-------------------------------|---------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------|-------------------------------|---------------------------------------------------------|
| 3)                            |                                                                           | 4)                            |                                                         | 5)                            |                                                         |
| Product Standards             | UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking | Product Standards             | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking | Product Standards             | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.                   | E36332                                                                    | UL File No.                   | E36332                                                  | UL File No.                   | E36332                                                  |
| UL CCN                        | NLRV                                                                      | UL CCN                        | NLRV7                                                   | UL CCN                        | NLRV7                                                   |
| CSA File No.                  | 12528                                                                     | CSA File No.                  | 12528                                                   | CSA File No.                  | 12528                                                   |
| CSA Class No.                 | 3211-05                                                                   | CSA Class No.                 | 3211-05                                                 | CSA Class No.                 | 3211-05                                                 |
| NA Certification Suitable for | UL Listed, CSA certified Branch circuits                                  | NA Certification Suitable for | UL Listed, CSA certified Branch circuits                | NA Certification Suitable for | UL Listed, CSA certified Branch circuits                |
| Degree of Protection          | IEC: IP65; UL/CSA Type 3R, 12                                             | Degree of Protection          | IEC: IP65; UL/CSA Type: –                               | Degree of Protection          | IEC: IP65; UL/CSA Type 1                                |





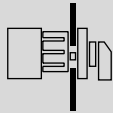
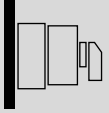
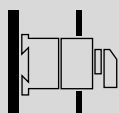
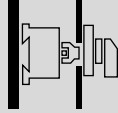
| Contact sequence                                                                                                                          | Front plate no. | Main contacts Pole | Max. motor rating AC-23A 400/415 V 50/60 Hz | Rated uninterrupted current | Flush mounting Front IP65                  | Part no. Article no. | Price See price list | Std. pack |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------|---------------------------------------------|-----------------------------|--------------------------------------------|----------------------|----------------------|-----------|--|--|--|
|                                                                                                                                           |                 | N/O                | 400 V P kW                                  | I <sub>u</sub> A            |                                            |                      |                      |           |  |  |  |
| <b>Changeover switches with 0 position</b>                                                                                                |                 |                    |                                             |                             |                                            |                      |                      |           |  |  |  |
| With black thumb-grip and front plate<br>Without emergency switching off/emergency stop function with momentary from both directions to 0 |                 |                    |                                             |                             |                                            |                      |                      |           |  |  |  |
|                                                                                                                                           | FS 4011         | 1                  | 6.5                                         | 20                          | <b>T0-1-8214/E<sup>2)</sup></b><br>019863  |                      |                      | 1 Off     |  |  |  |
|                                                                                                                                           |                 | 1                  | 13                                          | 32                          | <b>T3-1-8214/E<sup>2)</sup></b><br>009632  |                      |                      |           |  |  |  |
|                                                                                                                                           |                 | 2                  | 6.5                                         | 20                          | <b>T0-2-8215/E<sup>2)</sup></b><br>022236  |                      |                      |           |  |  |  |
|                                                                                                                                           |                 | 2                  | 13                                          | 32                          | <b>T3-2-8215/E<sup>2)</sup></b><br>016751  |                      |                      |           |  |  |  |
|                                                                                                                                           |                 | 3                  | 6.5                                         | 20                          | <b>T0-3-8216/E<sup>2)</sup></b><br>024609  |                      |                      |           |  |  |  |
|                                                                                                                                           |                 | 3                  | 13                                          | 32                          | <b>T3-3-8216/E<sup>2)</sup></b><br>023870  |                      |                      |           |  |  |  |
| <b>Changeover switches without 0 position</b>                                                                                             |                 |                    |                                             |                             |                                            |                      |                      |           |  |  |  |
| With black thumb-grip and front plate<br>Without emergency switching off/emergency stop function                                          |                 |                    |                                             |                             |                                            |                      |                      |           |  |  |  |
| <b>Two-way switch</b>                                                                                                                     |                 |                    |                                             |                             |                                            |                      |                      |           |  |  |  |
|                                                                                                                                           | FS 943          | 1                  | 6.5                                         | 20                          | <b>T0-1-8220/E<sup>2)</sup></b><br>031728  |                      |                      | 1 Off     |  |  |  |
|                                                                                                                                           |                 | 2                  | 6.5                                         | 20                          | <b>T0-2-8221/E<sup>2)</sup></b><br>038847  |                      |                      |           |  |  |  |
|                                                                                                                                           |                 |                    | 13                                          | 32                          | <b>T3-2-8221/E<sup>2)</sup></b><br>045227  |                      |                      |           |  |  |  |
|                                                                                                                                           |                 |                    | 22                                          | 63                          | <b>T5B-2-8221/E<sup>4)</sup></b><br>093047 |                      |                      |           |  |  |  |
|                                                                                                                                           |                 | 3                  | 6.5                                         | 20                          | <b>T0-3-8222/E<sup>2)</sup></b><br>048339  |                      |                      |           |  |  |  |
|                                                                                                                                           |                 |                    | 13                                          | 32                          | <b>T3-3-8222/E<sup>2)</sup></b><br>052346  |                      |                      |           |  |  |  |
|                                                                                                                                           |                 |                    | 22                                          | 63                          | <b>T5B-3-8222/E<sup>4)</sup></b><br>092378 |                      |                      |           |  |  |  |
|                                                                                                                                           |                 | 4                  | 6.5                                         | 20                          | <b>T0-4-8223/E<sup>2)</sup></b><br>050712  |                      |                      |           |  |  |  |
|                                                                                                                                           |                 |                    | 13                                          | 32                          | <b>T3-4-8223/E<sup>2)</sup></b><br>059465  |                      |                      |           |  |  |  |
|                                                                                                                                           |                 |                    | 22                                          | 63                          | <b>T5B-4-8223/E<sup>4)</sup></b><br>092108 |                      |                      |           |  |  |  |
|                                                                                                                                           |                 | 5                  | 6.5                                         | 20                          | <b>T0-5-8369/E<sup>2)</sup></b><br>060204  |                      |                      |           |  |  |  |
|                                                                                                                                           |                 | 5                  | 13                                          | 32                          | <b>T3-5-8369/E<sup>2)</sup></b><br>066584  |                      |                      |           |  |  |  |
|                                                                                                                                           |                 | 6                  | 6.5                                         | 20                          | <b>T0-6-8370/E<sup>2)</sup></b><br>062577  |                      |                      |           |  |  |  |
|                                                                                                                                           |                 | 6                  | 13                                          | 32                          | <b>T3-6-8370/E<sup>2)</sup></b><br>073703  |                      |                      |           |  |  |  |
|                                                                                                                                           |                 | 8                  | 6.5                                         | 20                          | <b>T0-8-8372/E<sup>2)</sup></b><br>064950  |                      |                      |           |  |  |  |
|                                                                                                                                           |                 | 8                  | 13                                          | 32                          | <b>T3-8-8372/E<sup>2)</sup></b><br>080822  |                      |                      |           |  |  |  |

Information relevant for export to North America

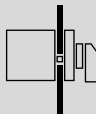
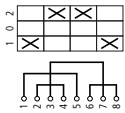
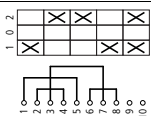
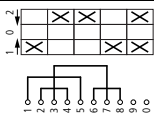
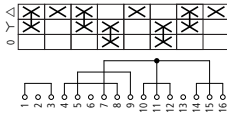
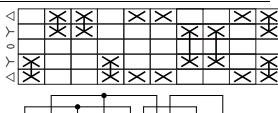
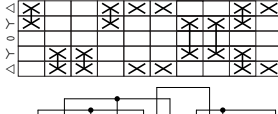


|                      |                                                         |                      |                                                         |
|----------------------|---------------------------------------------------------|----------------------|---------------------------------------------------------|
| 1)                   |                                                         | 2)                   |                                                         |
| Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking | Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.          | E36332                                                  | UL File No.          | E36332                                                  |
| UL CCN               | NLRV                                                    | UL CCN               | NLRV                                                    |
| CSA File No.         | 12528                                                   | CSA File No.         | 12528                                                   |
| CSA Class No.        | 3211-05                                                 | CSA Class No.        | 3211-05                                                 |
| NA Certification     | UL Listed, CSA certified                                | NA Certification     | UL Listed, CSA certified                                |
| Suitable for         | Branch circuits                                         | Suitable for         | Branch circuits                                         |
| Degree of Protection | IEC: IP30; UL/CSA Type: –                               | Degree of Protection | IEC: IP65; UL/CSA Type 3R, 12                           |



| Center mounting                                                                     |                            |           | Surface mounting                                                                                                 |                            |           | Distribution board mounting                                                                                                                                                          |                            |           | Rear mounting                                                                                                                                                                        |                            |           |
|-------------------------------------------------------------------------------------|----------------------------|-----------|------------------------------------------------------------------------------------------------------------------|----------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------|
| Front IP65                                                                          |                            |           | IP65                                                                                                             |                            |           | Front IP30                                                                                                                                                                           |                            |           | Front IP65                                                                                                                                                                           |                            |           |
|  |                            |           |  <div>Totally insulated</div> |                            |           |                                                                                                   |                            |           |                                                                                                   |                            |           |
| Part no.<br>Article no.                                                             | Price<br>See<br>price list | Std. pack | Part no.<br>Article no.                                                                                          | Price<br>See<br>price list | Std. pack | Part no.<br>Article no.                                                                                                                                                              | Price<br>See<br>price list | Std. pack | Part no.<br>Article no.                                                                                                                                                              | Price<br>See<br>price list | Std. pack |
|                                                                                     |                            |           |                                                                                                                  |                            |           |                                                                                                                                                                                      |                            |           |                                                                                                                                                                                      |                            |           |
| T0-1-8214/EZ<br>076815                                                              |                            |           | T0-1-8214/I1<br>207077                                                                                           |                            |           | 1 Off                                                                                                                                                                                |                            |           | T0-1-8214/IVS <sup>1)</sup><br>045967                                                                                                                                                |                            |           |
|                                                                                     |                            |           |                                                                                                                  |                            |           |                                                                                                                                                                                      |                            |           | 1 Off<br>      |                            |           |
| T0-2-8215/EZ <sup>2)</sup><br>081561                                                |                            |           | T0-2-8215/I1<br>207103                                                                                           |                            |           | 1 Off                                                                                                                                                                                |                            |           | T0-2-8215/IVS <sup>1)</sup><br>048340                                                                                                                                                |                            |           |
|                                                                                     |                            |           | T3-2-8215/I2 <sup>3)</sup><br>207179                                                                             |                            |           | 1 Off<br>      |                            |           | 1 Off<br>      |                            |           |
| T0-3-8216/EZ <sup>2)</sup><br>086307                                                |                            |           | T0-3-8216/I1<br>207434                                                                                           |                            |           | 1 Off                                                                                                                                                                                |                            |           | T0-3-8216/IVS <sup>1)</sup><br>050713                                                                                                                                                |                            |           |
|                                                                                     |                            |           | T3-3-8216/I2 <sup>3)</sup><br>207184                                                                             |                            |           | 1 Off<br>      |                            |           | 1 Off<br>      |                            |           |
|                                                                                     |                            |           |                                                                                                                  |                            |           |                                                                                                                                                                                      |                            |           |                                                                                                                                                                                      |                            |           |
|                                                                                     |                            |           |                                                                                                                  |                            |           |                                                                                                                                                                                      |                            |           |                                                                                                                                                                                      |                            |           |
| T0-1-8220/EZ <sup>2)</sup><br>095799                                                |                            |           | T0-1-8220/I1<br>207078                                                                                           |                            |           | 1 Off                                                                                                                                                                                |                            |           | T0-1-8220/IVS <sup>1)</sup><br>055459                                                                                                                                                |                            |           |
|                                                                                     |                            |           |                                                                                                                  |                            |           |                                                                                                                                                                                      |                            |           | 1 Off<br>    |                            |           |
| T0-2-8221/EZ <sup>2)</sup><br>010372                                                |                            |           | T0-2-8221/I1<br>207104                                                                                           |                            |           | 1 Off                                                                                                                                                                                |                            |           | T0-2-8221/IVS <sup>1)</sup><br>057832                                                                                                                                                |                            |           |
| T3-2-8221/EZ <sup>2)</sup><br>001025                                                |                            |           | T3-2-8221/I2 <sup>3)</sup><br>207180                                                                             |                            |           | 1 Off<br>  |                            |           | 1 Off<br>  |                            |           |
|                                                                                     |                            |           | T5B-2-8221/I4 <sup>5)</sup><br>207221                                                                            |                            |           | 1 Off<br>  |                            |           |                                                                                                                                                                                      |                            |           |
| T0-3-8222/EZ <sup>2)</sup><br>015118                                                |                            |           | T0-3-8222/I1<br>207124                                                                                           |                            |           | 1 Off                                                                                                                                                                                |                            |           | T0-3-8222/IVS <sup>1)</sup><br>060205                                                                                                                                                |                            |           |
| T3-3-8222/EZ <sup>2)</sup><br>001069                                                |                            |           | T3-3-8222/I2 <sup>3)</sup><br>207185                                                                             |                            |           | 1 Off<br>  |                            |           | 1 Off<br>  |                            |           |
|                                                                                     |                            |           | T5B-3-8222/I4 <sup>5)</sup><br>207224                                                                            |                            |           | 1 Off<br>  |                            |           |                                                                                                                                                                                      |                            |           |
| T0-4-8223/EZ <sup>2)</sup><br>019864                                                |                            |           | T0-4-8223/I1<br>207137                                                                                           |                            |           | 1 Off                                                                                                                                                                                |                            |           | T0-4-8223/IVS <sup>1)</sup><br>062578                                                                                                                                                |                            |           |
|                                                                                     |                            |           | T3-4-8223/I2 <sup>3)</sup><br>207192                                                                             |                            |           | 1 Off<br>  |                            |           | 1 Off<br>  |                            |           |
|                                                                                     |                            |           | T5B-4-8223/I4 <sup>5)</sup><br>207231                                                                            |                            |           | 1 Off<br>  |                            |           |                                                                                                                                                                                      |                            |           |
| T0-5-8369/EZ <sup>2)</sup><br>024610                                                |                            |           |                                                                                                                  |                            |           |                                                                                                                                                                                      |                            |           | T0-5-8369/IVS <sup>1)</sup><br>064951                                                                                                                                                |                            |           |
|                                                                                     |                            |           | T3-5-8369/I2 <sup>3)</sup><br>207536                                                                             |                            |           | 1 Off<br>  |                            |           | 1 Off<br>  |                            |           |
| T0-6-8370/EZ <sup>2)</sup><br>029356                                                |                            |           |                                                                                                                  |                            |           |                                                                                                                                                                                      |                            |           | T0-6-8370/IVS <sup>1)</sup><br>067324                                                                                                                                                |                            |           |
| T3-6-8370/EZ <sup>2)</sup><br>004506                                                |                            |           |                                                                                                                  |                            |           |                                                                                                                                                                                      |                            |           | 1 Off<br>  |                            |           |
| T0-8-8372/EZ <sup>2)</sup><br>034102                                                |                            |           |                                                                                                                  |                            |           |                                                                                                                                                                                      |                            |           | T0-8-8372/IVS <sup>1)</sup><br>069697                                                                                                                                                |                            |           |
|                                                                                     |                            |           |                                                                                                                  |                            |           |                                                                                                                                                                                      |                            |           | 1 Off<br>  |                            |           |
|                                                                                     |                            |           |                                                                                                                  |                            |           |                                                                                                                                                                                      |                            |           | T0-8-8372/Z <sup>2)</sup><br>012753                                                                                                                                                  |                            |           |
|                                                                                     |                            |           |                                                                                                                  |                            |           |                                                                                                                                                                                      |                            |           | T3-8-8372/Z <sup>2)</sup><br>083195                                                                                                                                                  |                            |           |

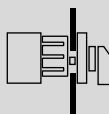
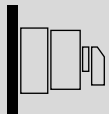
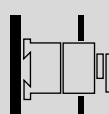
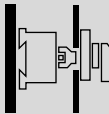
|                      |                                                                           |                      |                                                         |                      |                                                         |
|----------------------|---------------------------------------------------------------------------|----------------------|---------------------------------------------------------|----------------------|---------------------------------------------------------|
| 3)                   |                                                                           | 4)                   |                                                         | 5)                   |                                                         |
| Product Standards    | UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking | Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking | Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.          | E36332                                                                    | UL File No.          | E36332                                                  | UL File No.          | E36332                                                  |
| UL CCN               | NLRV                                                                      | UL CCN               | NLRV7                                                   | UL CCN               | NLRV7                                                   |
| CSA File No.         | 12528                                                                     | CSA File No.         | 12528                                                   | CSA File No.         | 12528                                                   |
| CSA Class No.        | 3211-05                                                                   | CSA Class No.        | 3211-05                                                 | CSA Class No.        | 3211-05                                                 |
| NA Certification     | UL Listed, CSA certified                                                  | NA Certification     | UL Listed, CSA certified                                | NA Certification     | UL Listed, CSA certified                                |
| Suitable for         | Branch circuits                                                           | Suitable for         | Branch circuits                                         | Suitable for         | Branch circuits                                         |
| Degree of Protection | IEC: IP65; UL/CSA Type 3R, 12                                             | Degree of Protection | IEC: IP65; UL/CSA Type 1                                | Degree of Protection | IEC: IP65; UL/CSA Type: –                               |

| Contact sequence                                                                                                                | Front plate no.                                                                                | Main contacts Pole                                                                | Max. operating power<br>AC-23A<br>400/415 V<br>50/60 Hz | Rated uninterrupted current | Flush mounting<br>Front IP65                                                        |                                                                                                                                                                                      |                                |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
|                                                                                                                                 |                                                                                                |  | 400 V<br>P<br>kW                                        | I <sub>u</sub><br>A         |  | <b>Part no.</b><br>Article no.                                                                                                                                                       | <b>Price</b><br>See price list |
| <b>Reversing switch with 0 (Off) position</b>                                                                                   |                                                                                                |                                                                                   |                                                         |                             |                                                                                     |                                                                                                                                                                                      |                                |
| With black thumb-grip and front plate<br>Without emergency switching off/emergency stop function<br>Without momentary           |                                                                                                |                                                                                   |                                                         |                             |                                                                                     |                                                                                                                                                                                      |                                |
|                                                | <br>FS 684    | 2                                                                                 | 6.5                                                     | 20                          | <b>T0-2-8400/E<sup>1)</sup></b><br>053079                                           | 1 Off<br>      |                                |
|                                                                                                                                 |                                                                                                |                                                                                   | 13                                                      | 32                          | <b>T3-2-8400/E<sup>1)</sup></b><br>073695                                           |                                                                                                                                                                                      |                                |
|                                                                                                                                 |                                                                                                |                                                                                   | 22                                                      | 63                          | <b>T5B-2-8400/E<sup>2)</sup></b><br>092918                                          |                                                                                                                                                                                      |                                |
|                                                |                                                                                                | 3                                                                                 | 6.5                                                     | 20                          | <b>T0-3-8401/E<sup>1)</sup></b><br>091047                                           |                                                                                                                                                                                      |                                |
|                                                                                                                                 |                                                                                                |                                                                                   | 13                                                      | 32                          | <b>T3-3-8401/E<sup>1)</sup></b><br>030992                                           |                                                                                                                                                                                      |                                |
|                                                                                                                                 |                                                                                                |                                                                                   | 22                                                      | 63                          | <b>T5B-3-8401/E<sup>2)</sup></b><br>092296                                          |                                                                                                                                                                                      |                                |
| With momentary from both directions to 0                                                                                        |                                                                                                |                                                                                   |                                                         |                             |                                                                                     |                                                                                                                                                                                      |                                |
|                                               | <br>FS 4011   | 3                                                                                 | 6.5                                                     | 20                          | <b>T0-3-8228/E<sup>1)</sup></b><br>015112                                           | 1 Off<br>      |                                |
|                                                                                                                                 |                                                                                                |                                                                                   | 13                                                      | 32                          | <b>T3-3-8228/E<sup>1)</sup></b><br>002538                                           |                                                                                                                                                                                      |                                |
|                                                                                                                                 |                                                                                                |                                                                                   | 22                                                      | 63                          | <b>T5B-3-8228/E<sup>2)</sup></b><br>092374                                          |                                                                                                                                                                                      |                                |
| <b>Star-delta switches</b>                                                                                                      |                                                                                                |                                                                                   |                                                         |                             |                                                                                     |                                                                                                                                                                                      |                                |
| With black thumb-grip and front plate<br>Without emergency switching off/emergency stop function                                |                                                                                                |                                                                                   |                                                         |                             |                                                                                     |                                                                                                                                                                                      |                                |
|                                              | <br>FS 635  | 3                                                                                 | 6.5                                                     | 20                          | <b>T0-4-8410/E<sup>1)</sup></b><br>024604                                           | 1 Off<br>  |                                |
|                                                                                                                                 |                                                                                                |                                                                                   | 13                                                      | 32                          | <b>T3-4-8410/E<sup>1)</sup></b><br>009657                                           |                                                                                                                                                                                      |                                |
|                                                                                                                                 |                                                                                                |                                                                                   | 22                                                      | 63                          | <b>T5B-4-8410/E<sup>1)</sup></b><br>092052                                          |                                                                                                                                                                                      |                                |
| <b>Reversing star-delta switches</b>                                                                                            |                                                                                                |                                                                                   |                                                         |                             |                                                                                     |                                                                                                                                                                                      |                                |
| With black thumb-grip and front plate<br>Without emergency switching off/emergency stop function<br>Two-way operating direction |                                                                                                |                                                                                   |                                                         |                             |                                                                                     |                                                                                                                                                                                      |                                |
|                                              | <br>FS 638  | 3                                                                                 | 6.5                                                     | 20                          | <b>T0-5-15876/E<sup>1)</sup></b><br>000893                                          | 1 Off<br>  |                                |
|                                                                                                                                 |                                                                                                |                                                                                   | 13                                                      | 32                          | <b>T3-5-15876/E<sup>1)</sup></b><br>016776                                          |                                                                                                                                                                                      |                                |
|                                              | <br>FS 4017 |                                                                                   | 22                                                      | 63                          | <b>T5B-5-15876/E<sup>2)</sup></b><br>214785                                         |                                                                                                                                                                                      |                                |

Information relevant for export to North America



|                               |                                                                        |                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------|
| 1)                            |                                                                        | 2)                            |                                                                        |
| Product Standards             | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking                | Product Standards             | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking                |
| UL File No.                   | E36332                                                                 | UL File No.                   | E36332                                                                 |
| UL CCN                        | NLRV                                                                   | UL CCN                        | NLRV7                                                                  |
| CSA File No.                  | 12528                                                                  | CSA File No.                  | 12528                                                                  |
| CSA Class No.                 | 3211-05                                                                | CSA Class No.                 | 3211-05                                                                |
| NA Certification Suitable for | UL Listed, CSA certified Branch circuits, suitable as motor disconnect | NA Certification Suitable for | UL Listed, CSA certified Branch circuits, suitable as motor disconnect |
| Degree of Protection          | IEC: IP65; UL/CSA Type 3R, 12                                          | Degree of Protection          | IEC: IP65; UL/CSA Type 3R, 12                                          |

| Center mounting                                                                     |                         |                                                                                                                                                                                      | Surface mounting                                                                    |                         |                                                                                                                                                                                      | Distribution board mounting                                                         |                         |                                                                                                                                                                                      | Rear mounting                                                                       |                         |                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Front IP65                                                                          |                         |                                                                                                                                                                                      | IP65                                                                                |                         |                                                                                                                                                                                      | Front IP30                                                                          |                         |                                                                                                                                                                                      | Front IP65                                                                          |                         |                                                                                                                                                                                      |
|  |                         |                                                                                                                                                                                      |  |                         |                                                                                                                                                                                      |  |                         |                                                                                                                                                                                      |  |                         |                                                                                                                                                                                      |
| Part no.<br>Article no.                                                             | Price<br>See price list | Std. pack                                                                                                                                                                            | Part no.<br>Article no.                                                             | Price<br>See price list | Std. pack                                                                                                                                                                            | Part no.<br>Article no.                                                             | Price<br>See price list | Std. pack                                                                                                                                                                            | Part no.<br>Article no.                                                             | Price<br>See price list | Std. pack                                                                                                                                                                            |
|                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |
| <b>T0-2-8400/EZ<sup>1)</sup></b><br>055452                                          |                         | 1 Off<br>      | <b>T0-2-8400/11</b><br>207111                                                       |                         | 1 Off                                                                                                                                                                                | <b>T0-2-8400/IVS<sup>4)</sup></b><br>060198                                         |                         | 1 Off<br>      | <b>T0-2-8400/Z<sup>1)</sup></b><br>062571                                           |                         | 1 Off<br>      |
| <b>T3-2-8400/EZ<sup>1)</sup></b><br>000687                                          |                         |                                                                                                                                                                                      | <b>T3-2-8400/12<sup>3)</sup></b><br>207181                                          |                         | 1 Off<br>      |                                                                                     |                         | <b>T3-2-8400/Z<sup>1)</sup></b><br>095060                                                                                                                                            |                                                                                     |                         |                                                                                                                                                                                      |
|                                                                                     |                         |                                                                                                                                                                                      | <b>T5B-2-8400/14<sup>2)</sup></b><br>207222                                         |                         | 1 Off<br>      |                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |
| <b>T0-3-8401/EZ<sup>1)</sup></b><br>093420                                          |                         |                                                                                                                                                                                      | <b>T0-3-8401/11</b><br>207132                                                       |                         | 1 Off                                                                                                                                                                                | <b>T0-3-8401/IVS<sup>4)</sup></b><br>098166                                         |                         | 1 Off<br>      | <b>T0-3-8401/Z<sup>1)</sup></b><br>010366                                           |                         |                                                                                                                                                                                      |
| <b>T3-3-8401/EZ<sup>1)</sup></b><br>000694                                          |                         |                                                                                                                                                                                      | <b>T3-3-8401/12<sup>3)</sup></b><br>207188                                          |                         | 1 Off<br>      |                                                                                     |                         |                                                                                                                                                                                      | <b>T3-3-8401/Z<sup>1)</sup></b><br>035739                                           |                         |                                                                                                                                                                                      |
|                                                                                     |                         |                                                                                                                                                                                      | <b>T5B-3-8401/14<sup>2)</sup></b><br>207227                                         |                         | 1 Off<br>      |                                                                                     |                         |                                                                                                                                                                                      | <b>T5B-3-8401/Z<sup>2)</sup></b><br>092293                                          |                         |                                                                                                                                                                                      |
|                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |
| <b>T0-3-8228/EZ<sup>1)</sup></b><br>048334                                          |                         | 1 Off<br>      | <b>T0-3-8228/11</b><br>207125                                                       |                         | 1 Off                                                                                                                                                                                | <b>T0-3-8228/IVS<sup>4)</sup></b><br>062572                                         |                         | 1 Off<br>      | <b>T0-3-8228/Z<sup>1)</sup></b><br>074437                                           |                         |                                                                                                                                                                                      |
| <b>T3-3-8228/EZ<sup>1)</sup></b><br>000695                                          |                         | 1 Off<br>    | <b>T3-3-8228/12<sup>3)</sup></b><br>207186                                          |                         | 1 Off<br>    |                                                                                     |                         |                                                                                                                                                                                      | <b>T3-3-8228/Z<sup>1)</sup></b><br>004911                                           |                         |                                                                                                                                                                                      |
|                                                                                     |                         |                                                                                                                                                                                      | <b>T5B-3-8228/14<sup>2)</sup></b><br>207225                                         |                         | 1 Off<br>  |                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |
|                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |
| <b>T0-4-8410/EZ<sup>1)</sup></b><br>053080                                          |                         | 1 Off<br>  | <b>T0-4-8410/11</b><br>207140                                                       |                         | 1 Off                                                                                                                                                                                | <b>T0-4-8410/IVS<sup>5)</sup></b><br>064945                                         |                         | 1 Off<br>  | <b>T0-4-8410/Z<sup>1)</sup></b><br>083929                                           |                         | 1 Off<br>  |
| <b>T3-4-8410/EZ<sup>1)</sup></b><br>000721                                          |                         | 1 Off<br>  | <b>T3-4-8410/12<sup>3)</sup></b><br>207195                                          |                         | 1 Off<br>  |                                                                                     |                         | <b>T3-4-8410/Z<sup>1)</sup></b><br>012030                                                                                                                                            |                                                                                     |                         |                                                                                                                                                                                      |
|                                                                                     |                         |                                                                                                                                                                                      | <b>T5B-4-8410/14<sup>1)</sup></b><br>207234                                         |                         | 1 Off<br>  |                                                                                     |                         | <b>T5B-4-8410/Z<sup>1)</sup></b><br>092049                                                                                                                                           |                                                                                     |                         |                                                                                                                                                                                      |
|                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |
| <b>T0-5-15876/EZ<sup>1)</sup></b><br>000900                                         |                         | 1 Off<br>  |                                                                                     |                         |                                                                                                                                                                                      | <b>T0-5-15876/IVS<sup>4)</sup></b><br>000902                                        |                         | 1 Off<br>  | <b>T0-5-15876/Z<sup>1)</sup></b><br>000942                                          |                         | 1 Off<br>  |
| <b>T3-5-15876/EZ<sup>1)</sup></b><br>000797                                         |                         | 1 Off<br>  | <b>T3-5-15876/12<sup>3)</sup></b><br>207537                                         |                         | 1 Off<br>  |                                                                                     |                         |                                                                                                                                                                                      | <b>T3-5-15876/Z<sup>1)</sup></b><br>019149                                          |                         | 1 Off<br>  |
|                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      |                                                                                     |                         |                                                                                                                                                                                      | <b>T5B-5-15876/Z<sup>2)</sup></b><br>214786                                         |                         | 1 Off<br>  |

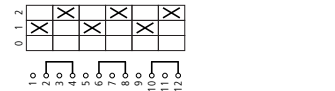
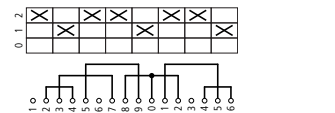
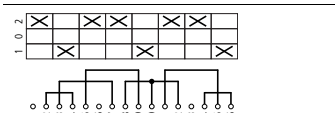
|                               |                                                                           |                               |                                                                        |                               |                                                                        |
|-------------------------------|---------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------|
| 3)                            |                                                                           | 4)                            |                                                                        | 5)                            |                                                                        |
| Product Standards             | UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking | Product Standards             | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking                | Product Standards             | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking                |
| UL File No.                   | E36332                                                                    | UL File No.                   | E36332                                                                 | UL File No.                   | E36332                                                                 |
| UL CCN                        | NLRV                                                                      | UL CCN                        | NLRV                                                                   | UL CCN                        | NLRV                                                                   |
| CSA File No.                  | 12528                                                                     | CSA File No.                  | 12528                                                                  | CSA File No.                  | 12528                                                                  |
| CSA Class No.                 | 3211-05                                                                   | CSA Class No.                 | 3211-05                                                                | CSA Class No.                 | 3211-05                                                                |
| NA Certification Suitable for | UL Listed, CSA certified Branch circuits, suitable as motor disconnect    | NA Certification Suitable for | UL Listed, CSA certified Branch circuits, suitable as motor disconnect | NA Certification Suitable for | UL Listed, CSA certified Branch circuits, suitable as motor disconnect |
| Degree of Protection          | IEC: IP65; UL/CSA Type 3R, 12                                             | Degree of Protection          | IEC: IP30; UL/CSA Type: –                                              | Degree of Protection          | IEC: IP65; UL/CSA Type: –                                              |

| Contact sequence | Front plate no. | Main contacts Pole | Max. motor rating: AC-23A 400/415 V 50/60 Hz | Rated uninterrupted current | Flush mounting | Front IP65                                                                          | Part no. Article no. | Price See price list | Std. pack |
|------------------|-----------------|--------------------|----------------------------------------------|-----------------------------|----------------|-------------------------------------------------------------------------------------|----------------------|----------------------|-----------|
|                  |                 | N/0                | 400 V P kW                                   | I <sub>u</sub> A            |                |  |                      |                      |           |

Multi-speed switches

With black thumb-grip and front plate

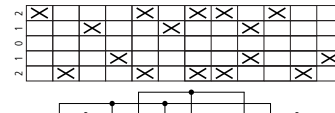
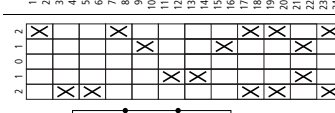
Without emergency switching off/emergency stop function

|                                                                                    |                                                                                    |   |     |    |                                         |  |                                                                                                                                                                               |  |  |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---|-----|----|-----------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Two-speed, non reversing, for 2 separate windings                                  |                                                                                    |   |     |    |                                         |  |                                                                                                                                                                               |  |  |
|   |   | 6 | 6.5 | 20 | <b>T0-3-8451/E<sup>2)</sup></b> 038849  |  | 1 Off   |  |  |
|                                                                                    |                                                                                    |   | 13  | 32 | <b>T3-3-8451/E<sup>2)</sup></b> 028641  |  |                                                                                                                                                                               |  |  |
|                                                                                    |                                                                                    |   | 22  | 63 | <b>T5B-3-8451/E<sup>4)</sup></b> 092288 |  |                                                                                                                                                                               |  |  |
| 2-speed, 2 directions, for one tapped winding                                      |                                                                                    |   |     |    |                                         |  |                                                                                                                                                                               |  |  |
|   |   | 3 | 6.5 | 20 | <b>T0-4-8440/E<sup>2)</sup></b> 041222  |  | 1 Off   |  |  |
|                                                                                    |                                                                                    |   | 13  | 32 | <b>T3-4-8440/E<sup>2)</sup></b> 035760  |  |                                                                                                                                                                               |  |  |
|                                                                                    |                                                                                    |   | 22  | 63 | <b>T5B-4-8440/E<sup>4)</sup></b> 092032 |  |                                                                                                                                                                               |  |  |
|  |  | 3 | 6.5 | 20 | <b>T0-4-8441/E<sup>2)</sup></b> 043595  |  |                                                                                                                                                                               |  |  |
|                                                                                    |                                                                                    |   | 13  | 32 | <b>T3-4-8441/E<sup>2)</sup></b> 042879  |  |                                                                                                                                                                               |  |  |
|                                                                                    |                                                                                    |   | 22  | 63 | <b>T5B-4-8441/E<sup>4)</sup></b> 092028 |  |                                                                                                                                                                               |  |  |

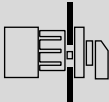
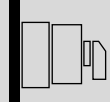
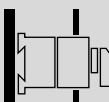
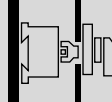
Reversing multi-speed switches

With black thumb-grip and front plate

Without emergency switching off/emergency stop function

|                                                                                     |                                                                                     |   |     |    |                                          |  |                                                                                                                                                                                   |  |  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|-----|----|------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 2-speed, 2 directions, for one tapped winding                                       |                                                                                     |   |     |    |                                          |  |                                                                                                                                                                                   |  |  |
|  |  | – | 6.5 | 20 | <b>T0-6-15866/E<sup>2)</sup></b> 055460  |  | 1 Off   |  |  |
|                                                                                     |                                                                                     | – | 13  | 32 | <b>T3-6-15866/E<sup>2)</sup></b> 054744  |  |                                                                                                                                                                                   |  |  |
|  |  | – | 22  | 63 | <b>T5B-7-15866/E<sup>4)</sup></b> 214788 |  |                                                                                                                                                                                   |  |  |

| Information relevant for export to North America                                                                                                                        |  |                      |                                                         |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|---------------------------------------------------------|--|--|--|--|--|--|
|   |  |                      |                                                         |  |  |  |  |  |  |
| 1)                                                                                                                                                                      |  | Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |  |  |  |  |  |  |
|                                                                                                                                                                         |  | UL File No.          | E36332                                                  |  |  |  |  |  |  |
|                                                                                                                                                                         |  | UL CCN               | NLRV                                                    |  |  |  |  |  |  |
|                                                                                                                                                                         |  | CSA File No.         | 12528                                                   |  |  |  |  |  |  |
|                                                                                                                                                                         |  | CSA Class No.        | 3211-05                                                 |  |  |  |  |  |  |
|                                                                                                                                                                         |  | NA Certification     | UL Listed, CSA certified                                |  |  |  |  |  |  |
|                                                                                                                                                                         |  | Suitable for         | Branch circuits, suitable as motor disconnect           |  |  |  |  |  |  |
|                                                                                                                                                                         |  | Degree of Protection | IEC: IP30; UL/CSA Type: –                               |  |  |  |  |  |  |
| 2)                                                                                                                                                                      |  | Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |  |  |  |  |  |  |
|                                                                                                                                                                         |  | UL File No.          | E36332                                                  |  |  |  |  |  |  |
|                                                                                                                                                                         |  | UL CCN               | NLRV7                                                   |  |  |  |  |  |  |
|                                                                                                                                                                         |  | CSA File No.         | 12528                                                   |  |  |  |  |  |  |
|                                                                                                                                                                         |  | CSA Class No.        | 3211-05                                                 |  |  |  |  |  |  |
|                                                                                                                                                                         |  | NA Certification     | UL Listed, CSA certified                                |  |  |  |  |  |  |
|                                                                                                                                                                         |  | Suitable for         | Branch circuits, suitable as motor disconnect           |  |  |  |  |  |  |
|                                                                                                                                                                         |  | Degree of Protection | IEC: IP65; UL/CSA Type 3R, 12                           |  |  |  |  |  |  |

|                                                                                     |                                |           |                                                                                     |                                |           |                                                                                     |                                |           |                                                                                     |                                |           |
|-------------------------------------------------------------------------------------|--------------------------------|-----------|-------------------------------------------------------------------------------------|--------------------------------|-----------|-------------------------------------------------------------------------------------|--------------------------------|-----------|-------------------------------------------------------------------------------------|--------------------------------|-----------|
| Center mounting                                                                     |                                |           | Surface mounting                                                                    |                                |           | Distribution board mounting                                                         |                                |           | Rear mounting                                                                       |                                |           |
| Front IP65                                                                          |                                |           | IP65 <div>totally insulated</div>                                                   |                                |           | Front IP30                                                                          |                                |           | Front IP65                                                                          |                                |           |
|  |                                |           |  |                                |           |  |                                |           |  |                                |           |
| <b>Part no.</b><br>Article no.                                                      | <b>Price</b><br>See price list | Std. pack | <b>Part no.</b><br>Article no.                                                      | <b>Price</b><br>See price list | Std. pack | <b>Part no.</b><br>Article no.                                                      | <b>Price</b><br>See price list | Std. pack | <b>Part no.</b><br>Article no.                                                      | <b>Price</b><br>See price list | Std. pack |

Multi-speed switches

With black thumb-grip and front plate

Without emergency switching off/emergency stop function

|                                                   |  |                                                                                                                                                                                  |                                             |  |                                                                                                                                                                                      |                                             |  |                                                                                                                                                                                  |                                            |  |                                                                                                                                                                                  |
|---------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Two-speed, non reversing, for 2 separate windings |  |                                                                                                                                                                                  |                                             |  |                                                                                                                                                                                      |                                             |  |                                                                                                                                                                                  |                                            |  |                                                                                                                                                                                  |
| <b>T0-3-8451/EZ<sup>2)</sup></b><br>083936        |  | 1 Off<br>  | <b>T0-3-8451/11</b><br>207133               |  | 1 Off                                                                                                                                                                                | <b>T0-3-8451/IVS<sup>1)</sup></b><br>026985 |  | 1 Off<br>  | <b>T0-3-8451/Z<sup>2)</sup></b><br>043596  |  | 1 Off<br>  |
| <b>T3-3-8451/EZ<sup>2)</sup></b><br>000956        |  | 1 Off<br>  | <b>T3-3-8451/12<sup>3)</sup></b><br>207189  |  | 1 Off<br>      |                                             |  |                                                                                                                                                                                  | <b>T3-3-8451/Z<sup>2)</sup></b><br>031014  |  | 1 Off<br>  |
|                                                   |  |                                                                                                                                                                                  | <b>T5B-3-8451/14<sup>4)</sup></b><br>207228 |  | 1 Off<br>      |                                             |  |                                                                                                                                                                                  |                                            |  |                                                                                                                                                                                  |
| 2-speed, 2 directions, for one tapped winding     |  |                                                                                                                                                                                  |                                             |  |                                                                                                                                                                                      |                                             |  |                                                                                                                                                                                  |                                            |  |                                                                                                                                                                                  |
| <b>T0-4-8440/EZ<sup>2)</sup></b><br>088682        |  | 1 Off<br>  | <b>T0-4-8440/11</b><br>207141               |  | 1 Off                                                                                                                                                                                | <b>T0-4-8440/IVS<sup>1)</sup></b><br>029358 |  | 1 Off<br>  | <b>T0-4-8440/Z<sup>2)</sup></b><br>048342  |  | 1 Off<br>  |
| <b>T3-4-8440/EZ<sup>2)</sup></b><br>000959        |  |                                                                                                                                                                                  | <b>T3-4-8440/12<sup>3)</sup></b><br>207196  |  | 1 Off<br>      |                                             |  |                                                                                                                                                                                  | <b>T3-4-8440/Z<sup>2)</sup></b><br>038133  |  |                                                                                                                                                                                  |
|                                                   |  |                                                                                                                                                                                  | <b>T5B-4-8440/14<sup>4)</sup></b><br>207235 |  | 1 Off<br>      |                                             |  |                                                                                                                                                                                  | <b>T5B-4-8440/Z<sup>4)</sup></b><br>092029 |  |                                                                                                                                                                                  |
| <b>T0-4-8441/EZ<sup>2)</sup></b><br>093428        |  |                                                                                                                                                                                  | <b>T0-4-8441/11</b><br>207142               |  | 1 Off                                                                                                                                                                                | <b>T0-4-8441/IVS<sup>1)</sup></b><br>031731 |  | 1 Off<br>  | <b>T0-4-8441/Z<sup>2)</sup></b><br>053088  |  |                                                                                                                                                                                  |
|                                                   |  |                                                                                                                                                                                  | <b>T3-4-8441/12<sup>3)</sup></b><br>207197  |  | 1 Off<br>  |                                             |  |                                                                                                                                                                                  | <b>T3-4-8441/Z<sup>2)</sup></b><br>045252  |  |                                                                                                                                                                                  |
|                                                   |  |                                                                                                                                                                                  | <b>T5B-4-8441/14<sup>4)</sup></b><br>207236 |  | 1 Off<br>  |                                             |  |                                                                                                                                                                                  | <b>T5B-4-8441/Z<sup>4)</sup></b><br>092025 |  |                                                                                                                                                                                  |

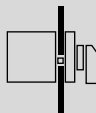
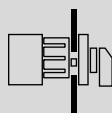
Reversing multi-speed switches

With black thumb-grip and front plate

Without emergency switching off/emergency stop function

|                                             |  |                                                                                                                                                                                             |  |  |  |                                              |  |                                                                                                                                                                                             |  |                                            |  |                                                                                                                                                                                             |  |
|---------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>T0-6-15866/EZ<sup>2)</sup></b><br>012747 |  | <b>1 Off</b><br>  |  |  |  | <b>T0-6-15866/IVS<sup>1)</sup></b><br>036477 |  | <b>1 Off</b><br>  |  | <b>T0-6-15866/Z<sup>2)</sup></b><br>067326 |  | <b>1 Off</b><br>  |  |
|                                             |  |                                                                                                                                                                                             |  |  |  |                                              |  |                                                                                                                                                                                             |  | <b>T3-6-15866/Z<sup>2)</sup></b><br>057117 |  | <b>1 Off</b><br>  |  |

|    |  |                      |                                                                           |  |  |  |  |  |  |
|----|--|----------------------|---------------------------------------------------------------------------|--|--|--|--|--|--|
| 3) |  | Product Standards    | UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking |  |  |  |  |  |  |
|    |  | UL File No.          | E36332                                                                    |  |  |  |  |  |  |
|    |  | UL CCN               | NLRV                                                                      |  |  |  |  |  |  |
|    |  | CSA File No.         | 12528                                                                     |  |  |  |  |  |  |
|    |  | CSA Class No.        | 3211-05                                                                   |  |  |  |  |  |  |
|    |  | NA Certification     | UL Listed, CSA certified                                                  |  |  |  |  |  |  |
|    |  | Suitable for         | Branch circuits, suitable as motor disconnect                             |  |  |  |  |  |  |
|    |  | Degree of Protection | IEC: IP65; UL/CSA Type 3R, 12                                             |  |  |  |  |  |  |
| 4) |  | Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking                   |  |  |  |  |  |  |
|    |  | UL File No.          | E36332                                                                    |  |  |  |  |  |  |
|    |  | UL CCN               | NLRV7                                                                     |  |  |  |  |  |  |
|    |  | CSA File No.         | 12528                                                                     |  |  |  |  |  |  |
|    |  | CSA Class No.        | 3211-05                                                                   |  |  |  |  |  |  |
|    |  | NA Certification     | UL Listed, CSA certified                                                  |  |  |  |  |  |  |
|    |  | Suitable for         | Branch circuits, suitable as motor disconnect                             |  |  |  |  |  |  |
|    |  | Degree of Protection | IEC: IP65; UL/CSA Type 3R, 12                                             |  |  |  |  |  |  |

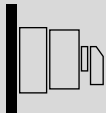
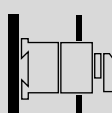
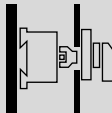
| Contact sequence                                                                        | Front plate no.                                                                     | Main contacts | Flush mounting <sup>1)</sup><br>Front IP65                                        |                                | Center mounting <sup>1)</sup><br>Front IP65                                              |                                |                                |                                                                                           |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------------------------------------------------------------------------------|
|                                                                                         |                                                                                     |               |  |                                |       |                                |                                |                                                                                           |
|                                                                                         |                                                                                     | Pole<br>N/O   | <b>Part no.</b><br>Article no.                                                    | <b>Price</b><br>See price list | Std. pack                                                                                | <b>Part no.</b><br>Article no. | <b>Price</b><br>See price list | Std. pack                                                                                 |
| <b>Step switches</b>                                                                    |                                                                                     |               |                                                                                   |                                |                                                                                          |                                |                                |                                                                                           |
| With black thumb-grip and front plate<br>One contact closed per step<br>Without overlap |                                                                                     |               |                                                                                   |                                |                                                                                          |                                |                                |                                                                                           |
| With 0 (Off) position                                                                   |                                                                                     |               |                                                                                   |                                |                                                                                          |                                |                                |                                                                                           |
|        |    | 1             | <b>T0-1-8240/E</b><br>034105                                                      |                                | 1 Off  | <b>T0-1-8240/EZ</b><br>043597  |                                | 1 Off  |
|        |    | 1             | <b>T0-2-8241/E</b><br>050716                                                      |                                |                                                                                          | <b>T0-2-8241/EZ</b><br>053089  |                                |                                                                                           |
|        |    | 1             | <b>T0-2-8242/E</b><br>067327                                                      |                                |                                                                                          | <b>T0-2-8242/EZ</b><br>069700  |                                |                                                                                           |
|       |    | 1             | <b>T0-3-8243/E</b><br>081565                                                      |                                |                                                                                          | <b>T0-3-8243/EZ</b><br>083938  |                                |                                                                                           |
|      |  | 1             | <b>T0-3-8244/E</b><br>095803                                                      |                                |                                                                                          | <b>T0-3-8244/EZ</b><br>098176  |                                |                                                                                           |
|      |                                                                                     |               |                                                                                   |                                |                                                                                          |                                |                                |                                                                                           |
|      |  | 3             | <b>T0-3-8280/E</b><br>034106                                                      |                                |                                                                                          | <b>T0-3-8280/EZ</b><br>036479  |                                |                                                                                           |
|      |  | 3             | <b>T0-5-8281/E</b><br>048344                                                      |                                |                                                                                          | <b>T0-5-8281/EZ</b><br>050717  |                                |                                                                                           |
|      |  | 3             | <b>T0-6-8282/E</b><br>062582                                                      |                                |                                                                                          | <b>T0-6-8282/EZ</b><br>064955  |                                |                                                                                           |

Information relevant for export to North America



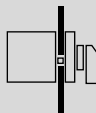
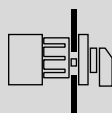
1)

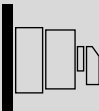
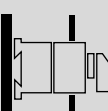
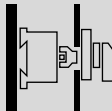
|                      |                                                         |
|----------------------|---------------------------------------------------------|
| Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.          | E36332                                                  |
| UL CCN               | NLRV                                                    |
| CSA File No.         | 12528                                                   |
| CSA Class No.        | 3211-05                                                 |
| NA Certification     | UL Listed, CSA certified                                |
| Suitable for         | Branch circuits                                         |
| Degree of Protection | IEC: IP65; UL/CSA Type 3R, 12                           |

| Surface mounting<br>IP65                                                            |                                | Distribution board mounting <sup>2)</sup><br>Front IP30                             |                                | Rear mounting <sup>2)</sup><br>Front IP65                                           |                                                                                           |
|-------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
|  |                                |  |                                |  |                                                                                           |
| <b>Part no.</b><br>Article no.                                                      | <b>Price</b><br>See price list | Std. pack                                                                           | <b>Part no.</b><br>Article no. | <b>Price</b><br>See price list                                                      | Std. pack                                                                                 |
|                                                                                     |                                |                                                                                     |                                |                                                                                     |                                                                                           |
| <b>T0-1-8240/11</b><br>207079                                                       |                                | 1 Off                                                                               | <b>T0-1-8240/IVS</b><br>027076 |                                                                                     | 1 Off  |
| <b>T0-2-8241/11</b><br>207107                                                       |                                |                                                                                     | <b>T0-2-8241/IVS</b><br>057835 |                                                                                     |                                                                                           |
| <b>T0-2-8242/11</b><br>207108                                                       |                                |                                                                                     | <b>T0-2-8242/IVS</b><br>074446 |                                                                                     |                                                                                           |
| <b>T0-3-8243/11</b><br>207128                                                       |                                |                                                                                     | <b>T0-3-8243/IVS</b><br>088684 |                                                                                     |                                                                                           |
| <b>T0-3-8244/11</b><br>207129                                                       |                                |                                                                                     | <b>T0-3-8244/IVS</b><br>012749 |                                                                                     |                                                                                           |
| <b>T0-3-8280/11</b><br>207130                                                       |                                |                                                                                     | <b>T0-3-8280/IVS</b><br>041225 |                                                                                     |                                                                                           |
|                                                                                     |                                |                                                                                     | <b>T0-5-8281/IVS</b><br>055463 |                                                                                     |                                                                                           |
|                                                                                     |                                |                                                                                     | <b>T0-6-8282/IVS</b><br>069701 |                                                                                     |                                                                                           |

2)

|                      |                                                         |
|----------------------|---------------------------------------------------------|
| Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.          | E36332                                                  |
| UL CCN               | NLRV                                                    |
| CSA File No.         | 12528                                                   |
| CSA Class No.        | 3211-05                                                 |
| NA Certification     | UL Listed, CSA certified                                |
| Suitable for         | Branch circuits                                         |
| Degree of Protection | IEC: IP30; UL/CSA Type: –                               |

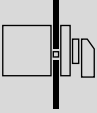
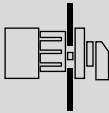
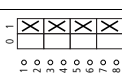
| Contact sequence                                                                                                                                                        | Front plate no.                                                                     | Main contacts | Flush mounting <sup>1)</sup><br>Front IP65                                        |                                | Center mounting <sup>1)</sup><br>Front IP65                                                                                                                                                       |                                                         |                                |                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                         |                                                                                     |               |  |                                |                                                                                                                |                                                         |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         |                                                                                     | Pole<br>N/O   | <b>Part no.</b><br>Article no.                                                    | <b>Price</b><br>See price list | Std. pack                                                                                                                                                                                         | <b>Part no.</b><br>Article no.                          | <b>Price</b><br>See price list | Std. pack                                                                                                                                                                                           |
|                                                                                                                                                                         |                                                                                     |               |                                                                                   |                                |                                                                                                                                                                                                   |                                                         |                                |                                                                                                                                                                                                     |
| <b>Step switches</b>                                                                                                                                                    |                                                                                     |               |                                                                                   |                                |                                                                                                                                                                                                   |                                                         |                                |                                                                                                                                                                                                     |
| With black thumb-grip and front plate<br>One contact closed per step<br>Without overlap                                                                                 |                                                                                     |               |                                                                                   |                                |                                                                                                                                                                                                   |                                                         |                                |                                                                                                                                                                                                     |
| without 0 (Off) position                                                                                                                                                |                                                                                     |               |                                                                                   |                                |                                                                                                                                                                                                   |                                                         |                                |                                                                                                                                                                                                     |
|                                                                                        |    | 1             | <b>T0-1-8220/E</b><br>031728                                                      |                                | <div>1 Off</div> <div> </div> | <b>T0-1-8220/EZ</b><br>095799                           |                                | <div>1 Off</div> <div> </div> |
|                                                                                                                                                                         | FS 943                                                                              |               |                                                                                   |                                |                                                                                                                                                                                                   |                                                         |                                |                                                                                                                                                                                                     |
|                                                                                        |    | 1             | <b>T0-2-8230/E</b><br>088685                                                      |                                |                                                                                                                                                                                                   | <b>T0-2-8230/EZ</b><br>091058                           |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         | FS 404                                                                              |               |                                                                                   |                                |                                                                                                                                                                                                   |                                                         |                                |                                                                                                                                                                                                     |
|                                                                                        |    | 1             | <b>T0-2-8231/E</b><br>012750                                                      |                                |                                                                                                                                                                                                   | <b>T0-2-8231/EZ</b><br>015123                           |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         | FS 606                                                                              |               |                                                                                   |                                |                                                                                                                                                                                                   |                                                         |                                |                                                                                                                                                                                                     |
|                                                                                        |    | 1             | <b>T0-3-8232/E</b><br>026988                                                      |                                |                                                                                                                                                                                                   | <b>T0-3-8232/EZ</b><br>029361                           |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         | FS 408                                                                              |               |                                                                                   |                                |                                                                                                                                                                                                   |                                                         |                                |                                                                                                                                                                                                     |
|                                                                                       |   | 1             | <b>T0-3-8233/E</b><br>041226                                                      |                                |                                                                                                                                                                                                   | <b>T0-3-8233/EZ</b><br>043599                           |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         | FS 410                                                                              |               |                                                                                   |                                |                                                                                                                                                                                                   |                                                         |                                |                                                                                                                                                                                                     |
|                                                                                      |  | 1             | <b>T0-3-8233/E</b><br>041226                                                      |                                | <b>T0-3-8233/EZ</b><br>043599                                                                                                                                                                     |                                                         |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         | FS 410                                                                              |               |                                                                                   |                                |                                                                                                                                                                                                   |                                                         |                                |                                                                                                                                                                                                     |
|                                                                                      |  | 2             | <b>T0-4-8251/E</b><br>013971                                                      |                                | <b>T0-4-8251/EZ</b><br>013972                                                                                                                                                                     |                                                         |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         | FS 406                                                                              |               |                                                                                   |                                |                                                                                                                                                                                                   |                                                         |                                |                                                                                                                                                                                                     |
|                                                                                      |  | 3             | <b>T0-3-8222/E</b><br>048339                                                      |                                | <b>T0-3-8222/EZ</b><br>015118                                                                                                                                                                     |                                                         |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         | FS 943                                                                              |               |                                                                                   |                                |                                                                                                                                                                                                   |                                                         |                                |                                                                                                                                                                                                     |
|                                                                                      |  | 3             | <b>T0-5-8270/E</b><br>091059                                                      |                                | <b>T0-5-8270/EZ</b><br>093432                                                                                                                                                                     |                                                         |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         | FS 404                                                                              |               |                                                                                   |                                |                                                                                                                                                                                                   |                                                         |                                |                                                                                                                                                                                                     |
|                                                                                      |  | 3             | <b>T0-6-8271/E</b><br>015124                                                      |                                | <b>T0-6-8271/EZ</b><br>017497                                                                                                                                                                     |                                                         |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         | FS 406                                                                              |               |                                                                                   |                                |                                                                                                                                                                                                   |                                                         |                                |                                                                                                                                                                                                     |
| <b>Information relevant for export to North America</b>                                                                                                                 |                                                                                     |               |                                                                                   |                                |                                                                                                                                                                                                   |                                                         |                                |                                                                                                                                                                                                     |
|   |                                                                                     |               | 1)                                                                                |                                |                                                                                                                                                                                                   |                                                         |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         |                                                                                     |               | Product Standards                                                                 |                                |                                                                                                                                                                                                   | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         |                                                                                     |               | UL File No.                                                                       |                                |                                                                                                                                                                                                   | E36332                                                  |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         |                                                                                     |               | UL CCN                                                                            |                                |                                                                                                                                                                                                   | NLRV                                                    |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         |                                                                                     |               | CSA File No.                                                                      |                                |                                                                                                                                                                                                   | 12528                                                   |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         |                                                                                     |               | CSA Class No.                                                                     |                                |                                                                                                                                                                                                   | 3211-05                                                 |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         |                                                                                     |               | NA Certification                                                                  |                                |                                                                                                                                                                                                   | UL Listed, CSA certified                                |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         |                                                                                     |               | Suitable for                                                                      |                                |                                                                                                                                                                                                   | Branch circuits                                         |                                |                                                                                                                                                                                                     |
|                                                                                                                                                                         |                                                                                     |               | Degree of Protection                                                              |                                |                                                                                                                                                                                                   | IEC: IP65; UL/CSA Type 3R, 12                           |                                |                                                                                                                                                                                                     |

| Surface mounting<br>IP65                                                            |                         | Distribution board mounting <sup>2)</sup><br>Front IP30                             |                                | Rear mounting <sup>1)</sup><br>Front IP65                                           |                                                                                                                                                                         |                              |                         |                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                         |  |                                |  |                                                                                                                                                                         |                              |                         |                                                                                                                                                                                  |
| Part no.<br>Article no.                                                             | Price<br>See price list | Std. pack                                                                           | Part no.<br>Article no.        | Price<br>See price list                                                             | Std. pack                                                                                                                                                               | Part no.<br>Article no.      | Price<br>See price list | Std. pack                                                                                                                                                                        |
|                                                                                     |                         |                                                                                     |                                |                                                                                     |                                                                                                                                                                         |                              |                         |                                                                                                                                                                                  |
| <b>T0-1-8220/I1</b><br>207078                                                       |                         | 1 Off                                                                               | <b>T0-1-8220/IVS</b><br>055459 |                                                                                     |   | <b>T0-1-8220/Z</b><br>086312 |                         | 1 Off<br>  |
| <b>T0-2-8230/I1</b><br>207105                                                       |                         |                                                                                     | <b>T0-2-8230/IVS</b><br>095804 |                                                                                     |                                                                                                                                                                         | <b>T0-2-8230/Z</b><br>098177 |                         |                                                                                                                                                                                  |
| <b>T0-2-8231/I1</b><br>207106                                                       |                         |                                                                                     | <b>T0-2-8231/IVS</b><br>019869 |                                                                                     |                                                                                                                                                                         | <b>T0-2-8231/Z</b><br>022242 |                         |                                                                                                                                                                                  |
| <b>T0-3-8232/I1</b><br>207126                                                       |                         |                                                                                     | <b>T0-3-8232/IVS</b><br>034107 |                                                                                     |                                                                                                                                                                         | <b>T0-3-8232/Z</b><br>036480 |                         |                                                                                                                                                                                  |
| <b>T0-3-8233/I1</b><br>207127                                                       |                         |                                                                                     | <b>T0-3-8233/IVS</b><br>048345 |                                                                                     |                                                                                                                                                                         | <b>T0-3-8233/Z</b><br>050718 |                         |                                                                                                                                                                                  |
| <b>T0-4-8251/I1</b><br>218984                                                       |                         |                                                                                     | <b>T0-4-8251/IVS</b><br>013974 |                                                                                     |                                                                                                                                                                         | <b>T0-4-8251/Z</b><br>013976 |                         |                                                                                                                                                                                  |
| <b>T0-3-8222/I1</b><br>207124                                                       |                         |                                                                                     | <b>T0-3-8222/IVS</b><br>060205 |                                                                                     |                                                                                                                                                                         |                              |                         |                                                                                                                                                                                  |
|                                                                                     |                         |                                                                                     | <b>T0-5-8270/IVS</b><br>098178 |                                                                                     |                                                                                                                                                                         | <b>T0-5-8270/Z</b><br>010378 |                         |                                                                                                                                                                                  |
|                                                                                     |                         |                                                                                     | <b>T0-6-8271/IVS</b><br>022243 |                                                                                     |                                                                                                                                                                         | <b>T0-6-8271/Z</b><br>024616 |                         |                                                                                                                                                                                  |

2)

Product Standards  
UL File No.  
UL CCN  
CSA File No.  
CSA Class No.  
NA Certification  
Suitable for  
Degree of Protection

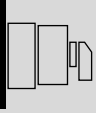
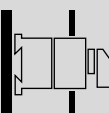
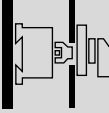
UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking  
E36332  
NLRV  
12528  
3211-05  
UL Listed, CSA certified  
Branch circuits  
IEC: IP30; UL/CSA Type: –

| Contact sequence                                                                  | Front plate no.                                                                             | Main contacts                                                                     | Flush mounting <sup>1)</sup>                                                      |                         |                                                                                             | Center mounting <sup>2)</sup>                                                       |                         |                                                                                              |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------|
|                                                                                   |                                                                                             |                                                                                   | Front IP65                                                                        |                         | Std. pack                                                                                   | Front IP65                                                                          |                         | Std. pack                                                                                    |
|                                                                                   |                                                                                             |                                                                                   |  |                         |                                                                                             |  |                         |                                                                                              |
|                                                                                   |                                                                                             | Pole N/O                                                                          | Part no.<br>Article no.                                                           | Price<br>See price list |                                                                                             | Part no.<br>Article no.                                                             | Price<br>See price list |                                                                                              |
|                                                                                   |                                                                                             |  |                                                                                   |                         |                                                                                             |                                                                                     |                         |                                                                                              |
| <b>On-Off switches</b>                                                            |                                                                                             |                                                                                   |                                                                                   |                         |                                                                                             |                                                                                     |                         |                                                                                              |
| With black thumb-grip and front plate                                             |                                                                                             |                                                                                   |                                                                                   |                         |                                                                                             |                                                                                     |                         |                                                                                              |
|  | <br>FS 415 | 1                                                                                 | <b>T0-1-15401/E</b><br>038854                                                     |                         | <br>1 Off | <b>T0-1-15401/EZ</b><br>041227                                                      |                         | <br>1 Off |
|  |                                                                                             | 2                                                                                 | <b>T0-1-15402/E</b><br>053092                                                     |                         |                                                                                             | <b>T0-1-15402/EZ</b><br>055465                                                      |                         |                                                                                              |
|  |                                                                                             | 3                                                                                 | <b>T0-2-15403/E</b><br>067330                                                     |                         |                                                                                             | <b>T0-2-15403/EZ</b><br>069703                                                      |                         |                                                                                              |
|  |                                                                                             | 4                                                                                 | <b>T0-2-15404/E</b><br>081568                                                     |                         |                                                                                             | <b>T0-2-15404/EZ</b><br>083941                                                      |                         |                                                                                              |

Information relevant for export to North America



|                      |                                                         |
|----------------------|---------------------------------------------------------|
| 1)                   |                                                         |
| Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.          | E36332                                                  |
| UL CCN               | NLRV                                                    |
| CSA File No.         | 12528                                                   |
| CSA Class No.        | 3211-05                                                 |
| NA Certification     | UL Listed, CSA certified                                |
| Suitable for         | Branch circuits, suitable as motor disconnect           |
| Degree of Protection | IEC: IP65; UL/CSA Type 3R, 12                           |

| Surface mounting                                                                    |                         |           | Distribution board mounting <sup>3)</sup>                                           |                         |                                                                                              | Rear mounting                                                                       |                         |           |
|-------------------------------------------------------------------------------------|-------------------------|-----------|-------------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|-----------|
| IP65                                                                                |                         |           | Front IP30                                                                          |                         |                                                                                              | Front IP65                                                                          |                         |           |
|  |                         |           |  |                         |                                                                                              |  |                         |           |
| Part no.<br>Article no.                                                             | Price<br>See price list | Std. pack | Part no.<br>Article no.                                                             | Price<br>See price list | Std. pack                                                                                    | Part no.<br>Article no.                                                             | Price<br>See price list | Std. pack |
|                                                                                     |                         |           |                                                                                     |                         |                                                                                              |                                                                                     |                         |           |
| <b>T0-1-15401/I1</b><br>207067                                                      |                         | 1 Off     | <b>T0-1-15401/IVS</b><br>045973                                                     |                         | <br>1 Off |                                                                                     |                         |           |
| <b>T0-1-15402/I1</b><br>207068                                                      |                         | 1 Off     | <b>T0-1-15402/IVS</b><br>060211                                                     |                         |                                                                                              |                                                                                     |                         |           |
|                                                                                     |                         |           | <b>T0-2-15403/IVS</b><br>074449                                                     |                         |                                                                                              |                                                                                     |                         |           |
|                                                                                     |                         |           |                                                                                     |                         |                                                                                              |                                                                                     |                         |           |

|                      |                                                         |
|----------------------|---------------------------------------------------------|
| 2)                   |                                                         |
| Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.          | E36332                                                  |
| UL CCN               | NLRV                                                    |
| CSA File No.         | 12528                                                   |
| CSA Class No.        | 3211-05                                                 |
| NA Certification     | UL Listed, CSA certified                                |
| Suitable for         | Branch circuits, suitable as motor disconnect           |
| Degree of Protection | IEC: IP65; UL/CSA Type: –                               |

|                      |                                                         |
|----------------------|---------------------------------------------------------|
| 3)                   |                                                         |
| Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.          | E36332                                                  |
| UL CCN               | NLRV                                                    |
| CSA File No.         | 12528                                                   |
| CSA Class No.        | 3211-05                                                 |
| NA Certification     | UL Listed, CSA certified                                |
| Suitable for         | Branch circuits, suitable as motor disconnect           |
| Degree of Protection | IEC: IP30; UL/CSA Type: –                               |



| Contact sequence                             | Front plate no. | Main contacts | Flush mounting <sup>1)</sup><br>Front IP65 |                                | Center mounting <sup>1)</sup><br>Front IP65 |                                |                                |                                |           |
|----------------------------------------------|-----------------|---------------|--------------------------------------------|--------------------------------|---------------------------------------------|--------------------------------|--------------------------------|--------------------------------|-----------|
|                                              |                 | Pole<br>N/O   |                                            | <b>Part no.</b><br>Article no. | <b>Price</b><br>See price list              | Std. pack                      | <b>Part no.</b><br>Article no. | <b>Price</b><br>See price list | Std. pack |
| <b>Changeover switches</b>                   |                 |               |                                            |                                |                                             |                                |                                |                                |           |
| <b>With black thumb-grip and front plate</b> |                 |               |                                            |                                |                                             |                                |                                |                                |           |
|                                              | <br>FS 429      | 1             | <b>T0-1-15421/E</b><br>095806              |                                | 1 Off<br>                                   | <b>T0-1-15421/EZ</b><br>098179 |                                | 1 Off<br>                      |           |
|                                              |                 | 2             | <b>T0-2-15422/E</b><br>019871              |                                |                                             | <b>T0-2-15422/EZ</b><br>022244 |                                |                                |           |
|                                              |                 | 3             | <b>T0-3-15423/E</b><br>034109              |                                |                                             | <b>T0-3-15423/EZ</b><br>036482 |                                |                                |           |
| <b>Manual/Auto switches</b>                  |                 |               |                                            |                                |                                             |                                |                                |                                |           |
| <b>With 0 (Off) position</b>                 |                 |               |                                            |                                |                                             |                                |                                |                                |           |
|                                              | <br>FS 1401     | 1             | <b>T0-1-15431/E</b><br>019872              |                                | 1 Off<br>                                   | <b>T0-1-15431/EZ</b><br>022245 |                                | 1 Off<br>                      |           |
|                                              |                 | 2             | <b>T0-2-15432/E</b><br>034110              |                                |                                             | <b>T0-2-15432/EZ</b><br>036483 |                                |                                |           |
|                                              |                 | 3             | <b>T0-3-15433/E</b><br>048348              |                                |                                             | <b>T0-3-15433/EZ</b><br>050721 |                                |                                |           |
| <b>With momentary from HAND</b>              |                 |               |                                            |                                |                                             |                                |                                |                                |           |
|                                              | <br>FS 1414000  | 1             | <b>T0-1-15434/E</b><br>062586              |                                | 1 Off<br>                                   | <b>T0-1-15434/EZ</b><br>018053 |                                | 1 Off<br>                      |           |
|                                              |                 | 2             | <b>T0-2-15435/E</b><br>003191              |                                | 1 Off<br>                                   | <b>T0-2-15435/EZ</b><br>003192 |                                | 1 Off<br>                      |           |
| <b>With momentary from START</b>             |                 |               |                                            |                                |                                             |                                |                                |                                |           |
|                                              | <br>FS 1413890  | 2             | <b>T0-2-15907/E</b><br>066931              |                                | 1 Off<br>                                   | <b>T0-2-15907/EZ</b><br>069304 |                                | 1 Off<br>                      |           |
| <b>Without 0 (Off) position</b>              |                 |               |                                            |                                |                                             |                                |                                |                                |           |
|                                              | <br>FS 19334    | 1             | <b>T0-1-15451/E</b><br>076824              |                                | 1 Off<br>                                   | <b>T0-1-15451/EZ</b><br>079197 |                                | 1 Off<br>                      |           |
|                                              |                 | 2             | <b>T0-2-15452/E</b><br>091062              |                                |                                             | <b>T0-2-15452/EZ</b><br>093435 |                                |                                |           |
|                                              |                 | 3             | <b>T0-3-15453/E</b><br>015127              |                                |                                             | <b>T0-3-15453/EZ</b><br>017500 |                                |                                |           |

Information relevant for export to North America



1)

Product Standards  
UL File No.  
UL CEN  
CSA File No.  
CSA Class No.  
NA Certification  
Suitable for  
Degree of Protection

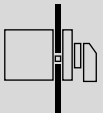
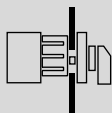
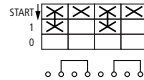
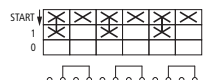
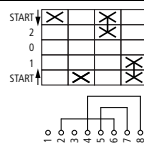
UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking  
E36332  
NLRV  
12528  
3211-05  
UL Listed, CSA certified  
Branch circuits  
IEC: IP65; UL/CSA Type 3R, 12

| Surface mounting<br>IP65       |                                | Distribution board mounting <sup>2)</sup><br>Front IP30 |                                 | Rear mounting <sup>1)</sup><br>Front IP65 |           |
|--------------------------------|--------------------------------|---------------------------------------------------------|---------------------------------|-------------------------------------------|-----------|
|                                |                                |                                                         |                                 |                                           |           |
| <b>Part no.</b><br>Article no. | <b>Price</b><br>See price list | Std. pack                                               | <b>Part no.</b><br>Article no.  | <b>Price</b><br>See price list            | Std. pack |
| <b>T0-1-15421/I1</b><br>207069 |                                |                                                         | <b>T0-1-15421/IVS</b><br>012752 |                                           |           |
| <b>T0-2-15422/I1</b><br>207090 |                                |                                                         | <b>T0-2-15422/IVS</b><br>026990 |                                           |           |
| <b>T0-3-15423/I1</b><br>207114 |                                |                                                         | <b>T0-3-15423/IVS</b><br>041228 |                                           |           |
| <b>T0-1-15431/I1</b><br>207070 |                                |                                                         | <b>T0-1-15431/IVS</b><br>026991 |                                           |           |
| <b>T0-2-15432/I1</b><br>207091 |                                |                                                         | <b>T0-2-15432/IVS</b><br>041229 |                                           |           |
| <b>T0-3-15433/I1</b><br>207115 |                                |                                                         | <b>T0-3-15433/IVS</b><br>055467 |                                           |           |
| <b>T0-1-15434/I1</b><br>207071 |                                |                                                         | <b>T0-1-15434/IVS</b><br>069705 |                                           |           |
| <b>T0-2-15435/I1</b><br>218971 |                                |                                                         | <b>T0-2-15435/IVS</b><br>003195 |                                           |           |
| <b>T0-2-15907/I1</b><br>207095 |                                |                                                         | <b>T0-2-15907/IVS</b><br>076423 |                                           |           |
| <b>T0-1-15451/I1</b><br>207072 |                                |                                                         | <b>T0-1-15451/IVS</b><br>083943 |                                           |           |
| <b>T0-2-15452/I1</b><br>207092 |                                |                                                         | <b>T0-2-15452/IVS</b><br>098181 |                                           |           |
| <b>T0-3-15453/I1</b><br>207116 |                                |                                                         | <b>T0-3-15453/IVS</b><br>022246 |                                           |           |

2)

Product Standards  
UL File No.  
UL CEN  
CSA File No.  
CSA Class No.  
NA Certification  
Suitable for  
Degree of Protection

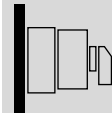
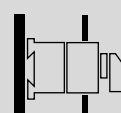
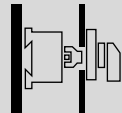
UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking  
E36332  
NLRV  
12528  
3211-05  
UL Listed, CSA certified  
Branch circuits  
IEC: IP30; UL/CSA Type: –

| Contact sequence                                                                    | Front plate no.                                                                     | Main contacts | Flush mounting<br>Front IP65                                                      |                                | Center mounting<br>Front IP65                                                           |                                |                                                                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------|
|                                                                                     |                                                                                     | Pole<br>N/O   |  |                                |      |                                |                                                                                           |
|                                                                                     |                                                                                     |               | <b>Part no.</b><br>Article no.                                                    | <b>Price</b><br>See price list | Std. pack                                                                               | <b>Part no.</b><br>Article no. | <b>Price</b><br>See price list                                                            |
|                                                                                     |                                                                                     |               |                                                                                   |                                |                                                                                         |                                | Std. pack                                                                                 |
| <b>On switch (N/O)</b>                                                              |                                                                                     |               |                                                                                   |                                |                                                                                         |                                |                                                                                           |
| With black thumb-grip and front plate<br>Momentary from position 1                  |                                                                                     |               |                                                                                   |                                |                                                                                         |                                |                                                                                           |
|    |    | 1             | <b>T0-1-15321/E</b><br>086317                                                     |                                | 1 Off  | <b>T0-1-15321/EZ</b><br>088690 | 1 Off  |
|    | FS 4721                                                                             | 2             | <b>T0-1-15322/E</b><br>010382                                                     |                                |                                                                                         | <b>T0-1-15322/EZ</b><br>012755 |                                                                                           |
|    |                                                                                     | 3             | <b>T0-2-15323/E</b><br>024620                                                     |                                |                                                                                         | <b>T0-2-15323/EZ</b><br>026993 |                                                                                           |
|    |    |               | <b>T0-1-15366/E</b><br>081572                                                     |                                |                                                                                         | <b>T0-1-15366/EZ</b><br>083945 |                                                                                           |
| <b>ON-OFF momentary switches</b>                                                    |                                                                                     |               |                                                                                   |                                |                                                                                         |                                |                                                                                           |
| With black thumb-grip and front plate<br>Momentary from START position              |                                                                                     |               |                                                                                   |                                |                                                                                         |                                |                                                                                           |
|   |   | 1             | <b>T0-1-15511/E</b><br>019875                                                     |                                | 1 Off  | <b>T0-1-15511/EZ</b><br>022248 | 1 Off  |
|  |                                                                                     | 2             | <b>T0-2-15512/E</b><br>034113                                                     |                                |                                                                                         | <b>T0-2-15512/EZ</b><br>036486 |                                                                                           |
|  |                                                                                     | 3             | <b>T0-3-15513/E</b><br>048351                                                     |                                |                                                                                         | <b>T0-3-15513/EZ</b><br>050724 |                                                                                           |
|  |  | see<br>K 115  | <b>T0-2-8177/E</b><br>015130                                                      |                                |                                                                                         | <b>T0-2-8177/EZ</b><br>017503  |                                                                                           |

Information relevant for export to North America



|                      |                                                         |
|----------------------|---------------------------------------------------------|
| 1)                   |                                                         |
| Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.          | E36332                                                  |
| UL CCN               | NLRV                                                    |
| CSA File No.         | 12528                                                   |
| CSA Class No.        | 3211-05                                                 |
| NA Certification     | UL Listed, CSA certified                                |
| Suitable for         | Branch circuits                                         |
| Degree of Protection | IEC: IP65; UL/CSA Type 3R, 12                           |

| Surface mounting<br>IP65                                                            |                                | Distribution board mounting<br>Front IP30                                           |                                                                                             | Rear mounting<br>Front IP65                                                         |                                                                                             |  |
|-------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--|
|  | <b>Part no.</b><br>Article no. |  | <b>Part no.</b><br>Article no.                                                              |  | <b>Part no.</b><br>Article no.                                                              |  |
| <b>Price</b><br>See price list                                                      | Std. pack                      | <b>Price</b><br>See price list                                                      | Std. pack                                                                                   | <b>Price</b><br>See price list                                                      | Std. pack                                                                                   |  |
|                                                                                     |                                |                                                                                     |                                                                                             |                                                                                     |                                                                                             |  |
| <b>T0-1-15321/I1</b><br>207064                                                      | 1 Off                          | <b>T0-1-15321/IVS</b><br>093436                                                     | 1 Off    | <b>T0-1-15321/Z</b><br>095809                                                       | 1 Off    |  |
| <b>T0-1-15322/I1</b><br>207065                                                      |                                | <b>T0-1-15322/IVS</b><br>017501                                                     |                                                                                             |                                                                                     |                                                                                             |  |
| <b>T0-2-15323/I1</b><br>207087                                                      |                                | <b>T0-2-15323/IVS</b><br>031739                                                     |                                                                                             |                                                                                     |                                                                                             |  |
|                                                                                     |                                |                                                                                     |                                                                                             |                                                                                     |                                                                                             |  |
|                                                                                     |                                |                                                                                     |                                                                                             |                                                                                     |                                                                                             |  |
| <b>T0-1-15511/I1</b><br>207073                                                      | 1 Off                          | <b>T0-1-15511/IVS</b><br>026994                                                     | 1 Off    | <b>T0-1-15511/Z</b><br>029367                                                       | 1 Off    |  |
| <b>T0-2-15512/I1</b><br>207093                                                      |                                |                                                                                     |                                                                                             | <b>T0-2-15512/Z</b><br>043605                                                       | 1 Off  |  |
| <b>T0-3-15513/I1</b><br>207117                                                      |                                |                                                                                     |                                                                                             |                                                                                     |                                                                                             |  |
| <b>T0-2-8177/I1</b><br>207101                                                       |                                | <b>T0-2-8177/IVS</b><br>022249                                                      | 1 Off  | <b>T0-2-8177/Z</b><br>024622                                                        | 1 Off  |  |

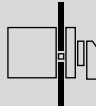
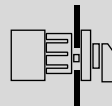
|                      |                                                         |
|----------------------|---------------------------------------------------------|
| 2)                   |                                                         |
| Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.          | E36332                                                  |
| UL CCN               | NLRV                                                    |
| CSA File No.         | 12528                                                   |
| CSA Class No.        | 3211-05                                                 |
| NA Certification     | UL Listed, CSA certified                                |
| Suitable for         | Branch circuits                                         |
| Degree of Protection | IEC: IP30; UL/CSA Type: –                               |

| Contact sequence                                    | Front plate no. | Main contacts      | Flush mounting <sup>1)</sup><br>Front IP65 |                                | Center mounting <sup>1)</sup><br>Front IP65 |                                |                                |
|-----------------------------------------------------|-----------------|--------------------|--------------------------------------------|--------------------------------|---------------------------------------------|--------------------------------|--------------------------------|
|                                                     |                 |                    |                                            |                                |                                             |                                |                                |
|                                                     |                 | Pole<br>N/O        | <b>Part no.</b><br>Article no.             | <b>Price</b><br>See price list | Std. pack                                   | <b>Part no.</b><br>Article no. | <b>Price</b><br>See price list |
|                                                     |                 |                    |                                            |                                |                                             |                                | Std. pack                      |
| <b>Universal control switches</b>                   |                 |                    |                                            |                                |                                             |                                |                                |
| With black thumb-grip and front plate               |                 |                    |                                            |                                |                                             |                                |                                |
| Maintained switches with 3 positions                |                 |                    |                                            |                                |                                             |                                |                                |
| 1 contact closed in each position                   |                 |                    |                                            |                                |                                             |                                |                                |
| • Additionally 1 contact closed in position 0 and 1 |                 |                    |                                            |                                |                                             |                                |                                |
| • Additionally 1 contact closed in position 0 and 2 |                 |                    |                                            |                                |                                             |                                |                                |
| • Additionally 1 contact closed in position 0 and 3 |                 |                    |                                            |                                |                                             |                                |                                |
|                                                     |                 |                    | <b>T0-3-15391/E</b><br>029365              |                                | <b>T0-3-15391/EZ</b><br>031738              | <b>1 Off</b><br>               | <b>1 Off</b><br>               |
| Momentary from positions 1 and 2                    |                 |                    |                                            |                                |                                             |                                |                                |
| With black thumb-grip and front plate               |                 |                    |                                            |                                |                                             |                                |                                |
|                                                     |                 |                    | <b>T0-3-15394/E</b><br>072079              |                                | <b>T0-3-15394/EZ</b><br>074452              | <b>1 Off</b><br>               | <b>1 Off</b><br>               |
| <b>Coding switches</b>                              |                 |                    |                                            |                                |                                             |                                |                                |
| With black thumb-grip and front plate               |                 |                    |                                            |                                |                                             |                                |                                |
| With complete rotation in both directions.          |                 |                    |                                            |                                |                                             |                                |                                |
|                                                     |                 | Binary<br>BCD code | <b>T0-4-15602/E</b><br>029368              |                                | <b>T0-4-15602/EZ</b><br>031741              | <b>1 Off</b><br>               | <b>1 Off</b><br>               |
| <b>Series switches</b>                              |                 |                    |                                            |                                |                                             |                                |                                |
| With black thumb-grip and front plate               |                 |                    |                                            |                                |                                             |                                |                                |
| With 0 (Off) position                               |                 |                    |                                            |                                |                                             |                                |                                |
| (heater switches)                                   |                 |                    |                                            |                                |                                             |                                |                                |
|                                                     |                 | 1                  | <b>T0-1-91/E</b><br>072082                 |                                | <b>T0-1-91/EZ</b><br>074455                 | <b>1 Off</b><br>               | <b>1 Off</b><br>               |

|                                                         |  |                                                         |
|---------------------------------------------------------|--|---------------------------------------------------------|
| <b>Information relevant for export to North America</b> |  | 1)                                                      |
|                                                         |  | Product Standards                                       |
|                                                         |  | UL File No.                                             |
|                                                         |  | UL CCN                                                  |
|                                                         |  | CSA File No.                                            |
|                                                         |  | CSA Class No.                                           |
|                                                         |  | NA Certification                                        |
|                                                         |  | Suitable for                                            |
|                                                         |  | Degree of Protection                                    |
|                                                         |  | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
|                                                         |  | E36332                                                  |
|                                                         |  | NLRV                                                    |
|                                                         |  | 12528                                                   |
|                                                         |  | 3211-05                                                 |
|                                                         |  | UL Listed, CSA certified                                |
|                                                         |  | Branch circuits                                         |
|                                                         |  | IEC: IP65; UL/CSA Type 3R, 12                           |

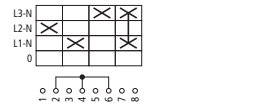
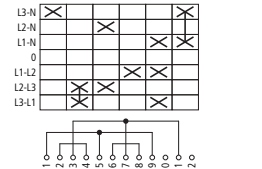
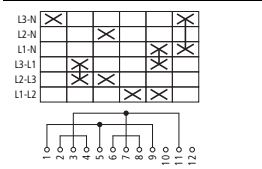
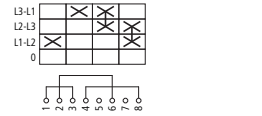
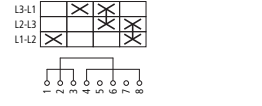
| Surface mounting<br>IP65       |                                | Distribution board mounting <sup>2)</sup><br>Front IP30 |                                 | Rear mounting <sup>1)</sup><br>Front IP65 |           |                                |
|--------------------------------|--------------------------------|---------------------------------------------------------|---------------------------------|-------------------------------------------|-----------|--------------------------------|
|                                |                                |                                                         |                                 |                                           |           |                                |
| <b>Part no.</b><br>Article no. | <b>Price</b><br>See price list | Std. pack                                               | <b>Part no.</b><br>Article no.  | <b>Price</b><br>See price list            | Std. pack | <b>Part no.</b><br>Article no. |
|                                |                                |                                                         |                                 |                                           |           | <b>Price</b><br>See price list |
|                                |                                |                                                         |                                 |                                           |           | Std. pack                      |
| <b>T0-3-15391/I1</b><br>207112 |                                | 1 Off                                                   | <b>T0-3-15391/IVS</b><br>036484 |                                           | 1 Off     |                                |
|                                |                                |                                                         |                                 |                                           |           |                                |
| <b>T0-3-15394/I1</b><br>207113 |                                | 1 Off                                                   | <b>T0-3-15394/IVS</b><br>079198 |                                           | 1 Off     | <b>T0-3-15394/Z</b><br>081571  |
|                                |                                |                                                         |                                 |                                           |           |                                |
| <b>T0-4-15602/I1</b><br>207134 |                                | 1 Off                                                   | <b>T0-4-15602/IVS</b><br>036487 |                                           | 1 Off     | <b>T0-4-15602/Z</b><br>038860  |
|                                |                                |                                                         |                                 |                                           |           |                                |
| <b>T0-1-91/I1</b><br>207080    |                                | 1 Off                                                   | <b>T0-1-91/IVS</b><br>079201    |                                           | 1 Off     | <b>T0-1-91/Z</b><br>081574     |
|                                |                                |                                                         |                                 |                                           |           |                                |

|                      |  |                                              |
|----------------------|--|----------------------------------------------|
| 2)                   |  |                                              |
| Product Standards    |  | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; |
|                      |  | CE marking                                   |
| UL File No.          |  | E36332                                       |
| UL CCN               |  | NLRV                                         |
| CSA File No.         |  | 12528                                        |
| CSA Class No.        |  | 3211-05                                      |
| NA Certification     |  | UL Listed, CSA certified                     |
| Suitable for         |  | Branch circuits                              |
| Degree of Protection |  | IEC: IP30; UL/CSA Type: –                    |

| Contact sequence | Front plate no. | Pole | Main contacts                                                                                    | Flush mounting <sup>1)</sup>                                                      |                                |           | Center mounting <sup>1)</sup>                                                       |                                |           |
|------------------|-----------------|------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------|-----------|-------------------------------------------------------------------------------------|--------------------------------|-----------|
|                  |                 |      |                                                                                                  | Front IP65                                                                        |                                |           | Front IP65                                                                          |                                |           |
|                  |                 |      |                                                                                                  |  |                                |           |  |                                |           |
|                  |                 |      | Pole<br>N/O<br> | <b>Part no.</b><br>Article no.                                                    | <b>Price</b><br>See price list | Std. pack | <b>Part no.</b><br>Article no.                                                      | <b>Price</b><br>See price list | Std. pack |

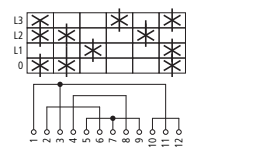
Voltmeter selector switch

With black thumb-grip and front plate

|                                                                                     |                                                                                                   |                                                                                             |       |                               |  |                                                                                                                                                                              |                                |  |                                                                                                                                                                               |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------|-------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <br>FS 1410757   | 3 x phase-N with 0 position                                                                 | 3 + N | <b>T0-2-15921/E</b><br>067337 |  | 1 Off   | <b>T0-2-15921/EZ</b><br>069710 |  | 1 Off   |
|    | <br>FS 1410759   | 3 x phase-phase<br>3 x phase-N with 0 position                                              | 3 + N | <b>T0-3-8007/E</b><br>095813  |  |                                                                                                                                                                              | <b>T0-3-8007/EZ</b><br>098186  |  |                                                                                                                                                                               |
|   | <br>FS 164721    | 3 x phase-phase<br>3 x phase-N without 0 position with complete rotation in both directions | 3 + N | <b>T0-3-15924/E</b><br>019878 |  |                                                                                                                                                                              | <b>T0-3-15924/EZ</b><br>022251 |  |                                                                                                                                                                               |
|  | <br>FS 1410755 | 3 x phase-phase with 0 position                                                             | 3     | <b>T0-2-15920/E</b><br>038861 |  |                                                                                                                                                                              | <b>T0-2-15920/EZ</b><br>041234 |  |                                                                                                                                                                               |
|  | <br>FS 164854  | 3 x phase-phase without 0 position                                                          | 3     | <b>T0-2-15922/E</b><br>053099 |  |                                                                                                                                                                              | <b>T0-2-15922/EZ</b><br>055472 |  |                                                                                                                                                                               |

Ammeter selector switch

With black thumb-grip and front plate  
With complete rotation in both directions.  
Measurement via current transformer  
With 0 (Off) position

|                                                                                     |                                                                                                |  |  |                              |  |                                                                                                                                                                                  |                               |  |                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--|--|------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <br>FS 9440 |  |  | <b>T0-3-8048/E</b><br>034116 |  | 1 Off   | <b>T0-3-8048/EZ</b><br>036489 |  | 1 Off   |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--|--|------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Information relevant for export to North America

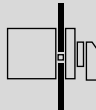
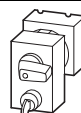
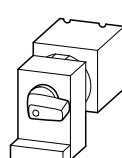


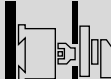
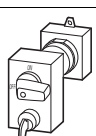
|                      |                                                         |
|----------------------|---------------------------------------------------------|
| 1)                   |                                                         |
| Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.          | E36332                                                  |
| UL CCN               | NLRV                                                    |
| CSA File No.         | 12528                                                   |
| CSA Class No.        | 3211-05                                                 |
| NA Certification     | UL Listed, CSA certified                                |
| Suitable for         | Branch circuits                                         |
| Degree of Protection | IEC: IP65; UL/CSA Type 3R, 12                           |

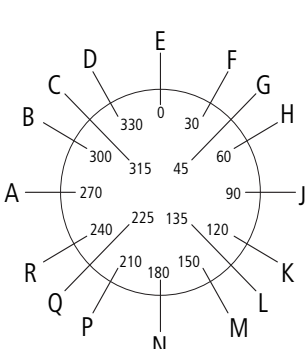
| Surface mounting<br>IP65 |                         |           | Distribution board mounting <sup>2)</sup><br>Front IP30 |                         |           | Rear mounting <sup>1)</sup><br>Front IP65 |                         |           |
|--------------------------|-------------------------|-----------|---------------------------------------------------------|-------------------------|-----------|-------------------------------------------|-------------------------|-----------|
| Part no.<br>Article no.  | Price<br>See price list | Std. pack | Part no.<br>Article no.                                 | Price<br>See price list | Std. pack | Part no.<br>Article no.                   | Price<br>See price list | Std. pack |

|                                |  |       |                                 |  |                                                                                                                                                                                   |                               |  |                                                                                                                                                                                   |
|--------------------------------|--|-------|---------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |  |       |                                 |  |                                                                                                                                                                                   |                               |  |                                                                                                                                                                                   |
|                                |  |       | <b>T0-2-15921/IVS</b><br>074456 |  | 1 Off       | <b>T0-2-15921/Z</b><br>076829 |  | 1 Off       |
| <b>T0-3-8007/11</b><br>207120  |  | 1 Off | <b>T0-3-8007/IVS</b><br>012759  |  |                                                                                                                                                                                   | <b>T0-3-8007/Z</b><br>015132  |  |                                                                                                                                                                                   |
|                                |  |       |                                 |  |                                                                                                                                                                                   |                               |  |                                                                                                                                                                                   |
| <b>T0-3-15924/11</b><br>207119 |  | 1 Off | <b>T0-3-15924/IVS</b><br>026997 |  |                                                                                                                                                                                   | <b>T0-3-15924/Z</b><br>029370 |  |                                                                                                                                                                                   |
|                                |  |       |                                 |  |                                                                                                                                                                                   |                               |  |                                                                                                                                                                                   |
|                                |  |       | <b>T0-2-15920/IVS</b><br>029452 |  |                                                                                                                                                                                   | <b>T0-2-15920/Z</b><br>048353 |  |                                                                                                                                                                                   |
|                                |  |       |                                 |  |                                                                                                                                                                                   |                               |  |                                                                                                                                                                                   |
|                                |  |       | <b>T0-2-15922/IVS</b><br>060218 |  |                                                                                                                                                                                   | <b>T0-2-15922/Z</b><br>062591 |  |                                                                                                                                                                                   |
|                                |  |       |                                 |  |                                                                                                                                                                                   |                               |  |                                                                                                                                                                                   |
|                                |  |       |                                 |  |                                                                                                                                                                                   |                               |  |                                                                                                                                                                                   |
|                                |  |       |                                 |  |                                                                                                                                                                                   |                               |  |                                                                                                                                                                                   |
|                                |  |       |                                 |  |                                                                                                                                                                                   |                               |  |                                                                                                                                                                                   |
|                                |  |       | <b>T0-3-8048/IVS</b><br>041235  |  | 1 Off   | <b>T0-3-8048/Z</b><br>043608  |  | 1 Off   |

|                      |                                                         |
|----------------------|---------------------------------------------------------|
| 2)                   |                                                         |
| Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.          | E36332                                                  |
| UL CCN               | NLRV                                                    |
| CSA File No.         | 12528                                                   |
| CSA Class No.        | 3211-05                                                 |
| NA Certification     | UL Listed, CSA certified                                |
| Suitable for         | Branch circuits                                         |
| Degree of Protection | IEC: IP30; UL/CSA Type: –                               |

|                                                                                                                                                                                                                                                                                                                                                     |                                                                                                  |               |                                                   |                                  |                                                                                     |                                     |                                |           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------|-------------------------------------|--------------------------------|-----------|
| Contact sequence                                                                                                                                                                                                                                                                                                                                    | Front plate no.                                                                                  | Main contacts | Max. motor rating<br>AC-23 A, 400/415 V, 50/60 Hz | Rated uninter-<br>rupted current | Flush mounting<br>IP65                                                              |                                     |                                |           |
|                                                                                                                                                                                                                                                                                                                                                     |                                                                                                  |               |                                                   |                                  |  | <b>Part no.</b><br>Article no.      | <b>Price</b><br>See price list | Std. pack |
|                                                                                                                                                                                                                                                                                                                                                     |                                                                                                  | Pole<br>N/O   | 400 V<br>P<br>kW                                  | I <sub>u</sub><br>A              |                                                                                     |                                     |                                |           |
| <b>Panic switch</b>                                                                                                                                                                                                                                                                                                                                 |                                                                                                  |               |                                                   |                                  |                                                                                     |                                     |                                |           |
| Cylinder lock SVA<br>Without emergency switching off/emergency stop function, with two keys<br>With black thumb-grip and front plate<br>If the key is withdrawn in position 1 the switch can be switched off but not on again without the key.                                                                                                      |                                                                                                  |               |                                                   |                                  |                                                                                     |                                     |                                |           |
|                                                                                                                                                                                                                                                                    | <br>FS 908      | 3             | 6.5                                               | 20                               |    | <b>T0-2-1/E/SVA(S)</b><br>050977    |                                | 1 Off     |
|                                                                                                                                                                                                                                                                                                                                                     |                                                                                                  | 3             | 13                                                | 25                               |                                                                                     | <b>P1-25/E/SVA(S)</b><br>050966     |                                |           |
|                                                                                                                                                                                                                                                                                                                                                     |                                                                                                  | 3             | 15                                                | 32                               |                                                                                     | <b>P1-32/E/SVA(S)</b><br>044977     |                                |           |
| As an emergency switching off/emergency stop device<br>To IEC/EN 60204-1, VDE 0113 Part 1<br>With two keys<br>With red thumb-grip and yellow front plate                                                                                                                                                                                            |                                                                                                  |               |                                                   |                                  |                                                                                     |                                     |                                |           |
|                                                                                                                                                                                                                                                                    | <br>FS 908 GE   | 3             | 6.5                                               | 20                               |   | <b>T0-2-1/E/SVA(S)-RT</b><br>228291 |                                | 1 Off     |
|                                                                                                                                                                                                                                                                                                                                                     |                                                                                                  | 3             | 13                                                | 25                               |                                                                                     | <b>P1-25/E/SVA(S)-RT</b><br>050967  |                                |           |
|                                                                                                                                                                                                                                                                                                                                                     |                                                                                                  | 3             | 15                                                | 32                               |                                                                                     | <b>P1-32/E/SVA(S)-RT</b><br>050971  |                                |           |
| Padlocking feature SVC<br>As an emergency switching off/emergency stop device<br>To IEC/EN 60204-1, VDE 0113 Part 1, with two keys<br>With red thumb-grip and yellow front plate<br>If the locking slide is padlocked in position 1 the switch can be switched off but not on again without removing the padlock.<br>Lockable with max. 3 padlocks. |                                                                                                  |               |                                                   |                                  |                                                                                     |                                     |                                |           |
|                                                                                                                                                                                                                                                                  | <br>FS 908 GE | 3             | 6.5                                               | 20                               |  | <b>T0-2-1/E/SVC(S)-RT</b><br>044973 |                                | 1 Off     |
|                                                                                                                                                                                                                                                                                                                                                     |                                                                                                  | 3             | 13                                                | 25                               |                                                                                     | <b>P1-25/E/SVC(S)-RT</b><br>044974  |                                |           |
|                                                                                                                                                                                                                                                                                                                                                     |                                                                                                  | 3             | 15                                                | 32                               |                                                                                     | <b>P1-32/E/SVC(S)-RT</b><br>044975  |                                |           |
| <b>On-Off switches</b>                                                                                                                                                                                                                                                                                                                              |                                                                                                  |               |                                                   |                                  |                                                                                     |                                     |                                |           |
| Without emergency switching off/emergency stop function<br>With black thumb-grip and front plate<br>Key can only be withdrawn in position 0 (Pos A)                                                                                                                                                                                                 |                                                                                                  |               |                                                   |                                  |                                                                                     |                                     |                                |           |
|                                                                                                                                                                                                                                                                  | <br>FS 908    | 3             | 6.5                                               | 20                               |  | <b>T0-2-1/E/SVA(A)</b><br>050976    |                                | 1 Off     |
|                                                                                                                                                                                                                                                                                                                                                     |                                                                                                  | 3             | 13                                                | 25                               |                                                                                     | <b>P1-25/E/SVA(A)</b><br>050965     |                                |           |
|                                                                                                                                                                                                                                                                                                                                                     |                                                                                                  | 3             | 15                                                | 32                               |                                                                                     | <b>P1-32/E/SVA(A)</b><br>050970     |                                |           |
| Key operation lock mechanism ST-0<br>Without emergency switching off/emergency stop function<br>With black thumb-grip and front plate<br>Key can only be withdrawn in position 0 (Pos A)                                                                                                                                                            |                                                                                                  |               |                                                   |                                  |                                                                                     |                                     |                                |           |
|                                                                                                                                                                                                                                                                  | <br>FS 908    | 2             | 6.5                                               | 20                               |  | <b>T0-1-102/EZ/S</b><br>014933      |                                | 1 Off     |

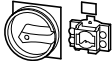
| Surface mounting<br>IP65                                                              |                                                                                                                   |                                |                | Rear mounting<br>IP65                                                                 |                                                                     |                                |                |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------|----------------|
|    | <b>Part no.</b><br>Article no.                                                                                    | <b>Price</b><br>See price list | Std. pack      |    | <b>Part no.</b><br>Article no.                                      | <b>Price</b><br>See price list | Std. pack      |
|                                                                                       |                                                                                                                   |                                |                |                                                                                       |                                                                     |                                | <b>Notes</b>   |
|                                                                                       |                                                                                                                   |                                |                |                                                                                       |                                                                     |                                |                |
|    | <b>T0-2-1/I1/SVA(S)</b><br>207084<br><b>P1-25/I2/SVA(S)</b><br>207305<br><b>P1-32/I2/SVA(S)</b><br>207326         |                                | 1 Off          |                                                                                       |                                                                     |                                |                |
|                                                                                       |                                                                                                                   |                                |                |                                                                                       |                                                                     |                                |                |
|   | <b>T0-2-1/I1/SVA(S)-RT</b><br>207085<br><b>P1-25/I2/SVA(S)-RT</b><br>207306                                       |                                | 1 Off<br>1 Off |                                                                                       |                                                                     |                                |                |
|                                                                                       |                                                                                                                   |                                |                |                                                                                       |                                                                     |                                |                |
|  | <b>T0-2-1/I1/SVC(S)-RT</b><br>207086<br><b>P1-25/I2/SVC(S)-RT</b><br>207307<br><b>P1-32/I2/SVC(S)RT</b><br>207328 |                                | 1 Off          |                                                                                       |                                                                     |                                |                |
|                                                                                       |                                                                                                                   |                                |                |                                                                                       |                                                                     |                                |                |
|  | <b>T0-2-1/I1/SVA(A)</b><br>207083<br><b>P1-25/I2/SVA(A)</b><br>207304<br><b>P1-32/I2/SVA(A)</b><br>207325         |                                | 1 Off          |  | <b>T0-2-1/Z/SVA(A)</b><br>050978<br><b>P1-25/Z/SVA(A)</b><br>050969 |                                | 1 Off<br>1 Off |
|                                                                                       |                                                                                                                   |                                |                |                                                                                       |                                                                     |                                |                |
|  | <b>T0-1-102/I1/S</b><br>207063                                                                                    |                                | 1 Off          |  | <b>T0-1-102/Z/S</b><br>014971                                       |                                | 1 Off          |



Code letters for lockable switch positions  
Letter S for panic lock with FS908GE

## SVB-...-T0(P3), KNB-...-T0(P3)

HPL04058EN

|                                                                                                                                                          | Emergency switching off/emergency stop            | For use with                                                                                   | Part no.<br>Article no.                                                                                                          | Price<br>See price list         | Std. pack                                                                                                                                                                             | Notes                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Main switch assembly kits</b>                                                                                                                         |                                                   |                                                                                                |                                                                                                                                  |                                 |                                                                                                                                                                                       |                                                                                                                                                                                             |
| Padlocking feature<br>only for main switch<br>Permissible with T0 with up to max. 4 contact units<br>Permissible with T3 with up to max. 6 contact units |                                                   |                                                                                                |                                                                                                                                  |                                 |                                                                                                                                                                                       |                                                                                                                                                                                             |
|                                                                         | With red rotary handle and yellow locking collar  | As an emergency switching off/emergency stop device<br>To IEC/EN 60204-1, VDE 0113 Part 1      | T0-.../E, .../Z, .../I1<br>T3-.../E, .../Z, .../I2<br>P1-.../E, .../Z, .../I2                                                    | <b>SVB-T0</b><br>057892         | 1 off<br>       | <ul style="list-style-type: none"><li>For locking the 0 position</li><li>For switches with positions 0 -I at 90°</li></ul>                                                                  |
|                                                                                                                                                          |                                                   |                                                                                                | T5B-.../E, .../Z, .../I4<br>T5-.../E, .../Z, .../I5<br>P3-63/E, .../Z, .../I4<br>P3-100/E, .../Z, .../I5                         | <b>SVB-P3</b><br>052999         | 1 off<br>       | <ul style="list-style-type: none"><li>Switching angle as front plate FS908</li><li>Lockable with max. 3 padlocks</li></ul>                                                                  |
|                                                                                                                                                          | With black rotary handle and black locking collar | Without emergency switching off/emergency stop function                                        | T0-.../E, .../Z, .../I1<br>T3-.../E, .../Z, .../I2<br>P1-.../E, .../Z, .../I2                                                    | <b>SVB-SW-T0</b><br>060265      | 1 off<br>       | <ul style="list-style-type: none"><li>For locking the 0 position</li><li>For locking the I position when required</li></ul>                                                                 |
|                                                                                                                                                          |                                                   |                                                                                                | T5B-.../E, .../Z, .../I4<br>T5-.../E, .../Z, .../I5<br>P3-63/E, .../Z, .../I4<br>P3-100/E, .../Z, .../I5                         | <b>SVB-SW-P3</b><br>062491      | 1 off<br>       | <ul style="list-style-type: none"><li>Lockable with max. 3 padlocks</li></ul>                                                                                                               |
| <b>Main switch assembly kits with PE terminal and N terminal</b>                                                                                         |                                                   |                                                                                                |                                                                                                                                  |                                 |                                                                                                                                                                                       |                                                                                                                                                                                             |
| Padlocking feature<br>only for main switch<br>Permissible with T0 with up to max. 4 contact units<br>Permissible with T3 with up to max. 6 contact units |                                                   |                                                                                                |                                                                                                                                  |                                 |                                                                                                                                                                                       |                                                                                                                                                                                             |
|                                                                         | With red rotary handle and yellow locking collar  | As an emergency switching off/emergency stop device<br>To IEC/EN 60204-1, VDE 0113 Part 1      | T0-.../E, .../Z<br>T3-.../E, .../Z                                                                                               | <b>V/EA/SVB-T0</b><br>062638    | 1 off<br>       | <ul style="list-style-type: none"><li>For converting flush mounting switch T.../E into flush mounting main switch T.../EA/SVB...</li></ul>                                                  |
|                                                                                                                                                          |                                                   |                                                                                                | T5(B)-.../E, .../Z                                                                                                               | <b>V/EA/SVB-T5</b><br>045065    | 1 off<br>     | <ul style="list-style-type: none"><li>For converting rear mounting switch T.../Z (with FS908 front plate) into interlocked rear mounting main switch T.../V/SVB</li></ul>                   |
|                                                                                                                                                          | With black rotary handle and black locking collar | Without emergency switching off/emergency stop function                                        | T0-.../E, .../Z<br>T3-.../E, .../Z                                                                                               | <b>V/EA/SVB-SW-T0</b><br>065011 | 1 off<br>   |                                                                                                                                                                                             |
|                                                                                                                                                          |                                                   |                                                                                                | T5(B)-.../E, .../Z                                                                                                               | <b>V/EA/SVB-SW-T5</b><br>045064 | 1 off<br>   |                                                                                                                                                                                             |
| <b>Thumb-grips</b>                                                                                                                                       |                                                   |                                                                                                |                                                                                                                                  |                                 |                                                                                                                                                                                       |                                                                                                                                                                                             |
|                                                                       | Black                                             | —                                                                                              | T0-.../E, .../EZ, .../IVS, .../Z, .../I1<br>T3-.../E, .../EZ, .../IVS, .../Z, .../I2<br>P1-.../E, .../EZ, .../IVS, .../Z, .../I2 | <b>KNB-T0</b><br>038909         | 10 off<br>  | —                                                                                                                                                                                           |
|                                                                                                                                                          | Red                                               | Only for emergency switching off/emergency stop switches<br>To IEC/EN 60204-1, VDE 0113 Part 1 | T0-.../E, .../IVS, .../Z, .../I1<br>T3-.../E, .../IVS, .../Z, .../I2<br>P1-.../E, .../IVS, .../Z, .../I2                         | <b>KNB-RT-T0</b><br>043655      | 10 off<br>  | <ul style="list-style-type: none"><li>Order yellow FS908GE-T0 front plate additionally</li></ul>                                                                                            |
|                                                                       | Black                                             | —                                                                                              | T5(B)-.../E, .../Z, .../I4<br>P3-63/E, .../Z, .../I4<br>P3-100/E, .../Z, .../I5                                                  | <b>KNB-P3</b><br>041282         | 10 off<br>  | —                                                                                                                                                                                           |
|                                                                                                                                                          | Red                                               | Only for emergency switching off/emergency stop switches<br>To IEC/EN 60204-1, VDE 0113 Part 1 | T5(B)-.../E, .../Z, .../I4<br>P3-63/E, .../Z, .../I4<br>P3-100/E, .../Z, .../I5                                                  | <b>KNB-RT-P3</b><br>046028      | 10 off<br>  | <ul style="list-style-type: none"><li>Order additional yellow front plate FS908GE-P3</li></ul>                                                                                              |
| <b>Maintenance key for interlocked main switches</b>                                                                                                     |                                                   |                                                                                                |                                                                                                                                  |                                 |                                                                                                                                                                                       |                                                                                                                                                                                             |
|                                                                       |                                                   |                                                                                                | T0...                                                                                                                            | <b>KNK-T0</b><br>000650         | 5 off<br>   | Special devices for electricians: interlocked main switches can be switched on and off for repairs with the maintenance key while the door is open (as per IEC/EN 60204-1, Section 5.1.1.1) |
|                                                                                                                                                          |                                                   |                                                                                                | P1...                                                                                                                            |                                 |                                                                                                                                                                                       |                                                                                                                                                                                             |
|                                                                                                                                                          |                                                   |                                                                                                | P3...                                                                                                                            | <b>KNK-P3</b><br>000649         | 5 off<br>   |                                                                                                                                                                                             |
| <b>ATEX type</b>                                                                                                                                         |                                                   |                                                                                                |                                                                                                                                  |                                 |                                                                                                                                                                                       |                                                                                                                                                                                             |
| According to 94/9EG<br>Test Certificate BVS04E106X                                                                                                       |                                                   |                                                                                                |                                                                                                                                  |                                 |                                                                                                                                                                                       |                                                                                                                                                                                             |
|                                                                       | With metric knock-outs M20                        |                                                                                                | T0-.../I1                                                                                                                        | <b>+ATEX-I1</b><br>237513       | 1 off                                                                                                                                                                                 | Only available together with basic unit                                                                                                                                                     |
|                                                                                                                                                          | With solid side walls                             |                                                                                                | T3-.../I2<br>P1-.../I2                                                                                                           | <b>+ATEX-I2</b><br>237514       |                                                                                                                                                                                       |                                                                                                                                                                                             |
|                                                                                                                                                          |                                                   |                                                                                                | T5B-.../I4<br>P3-.../I4                                                                                                          | <b>+ATEX-I4</b><br>237516       |                                                                                                                                                                                       |                                                                                                                                                                                             |
|                                                                                                                                                          |                                                   |                                                                                                | T5-.../I5<br>P3-.../I5                                                                                                           | <b>+ATEX-I5</b><br>237517       |                                                                                                                                                                                       |                                                                                                                                                                                             |
|                                                                                                                                                          |                                                   |                                                                                                |                                                                                                                                  |                                 |                                                                                                                                                                                       |                                                                                                                                                                                             |

## Information relevant for export to North America



UL/CSA certification not required



HPL04059EN

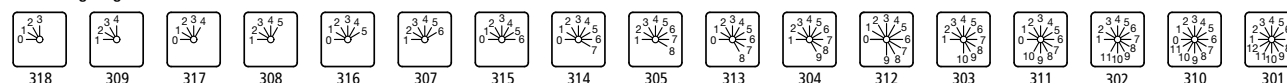
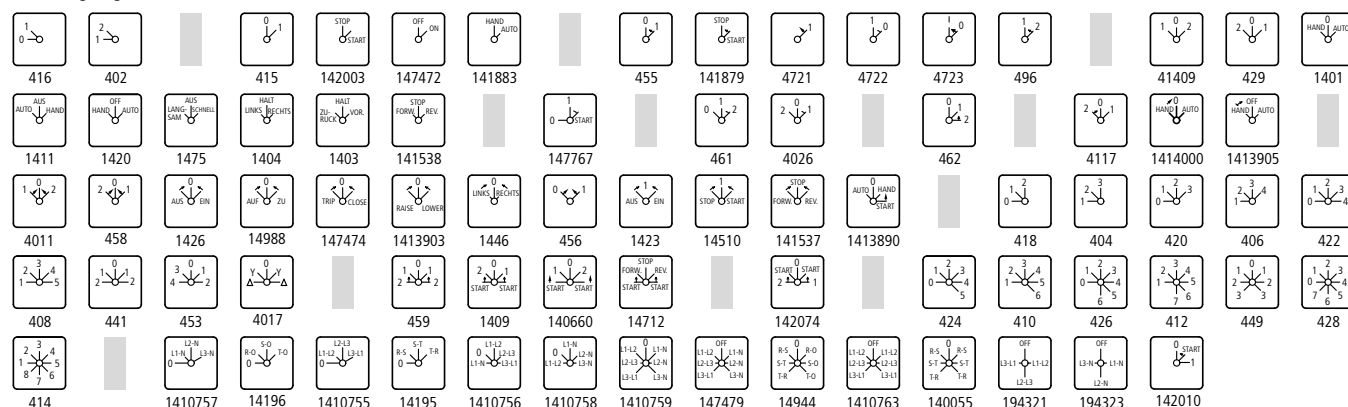
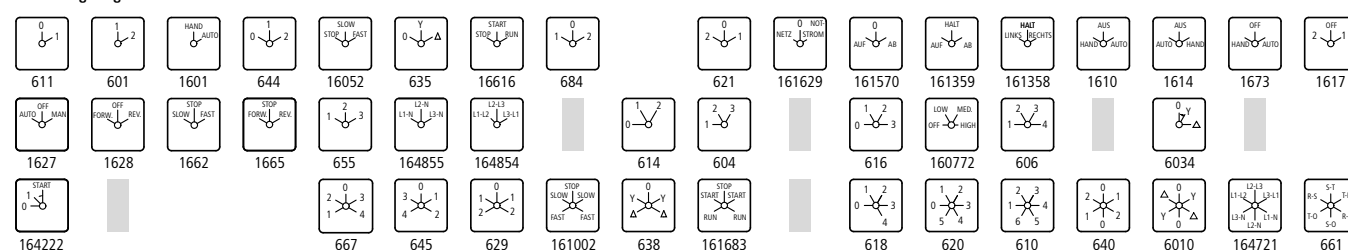
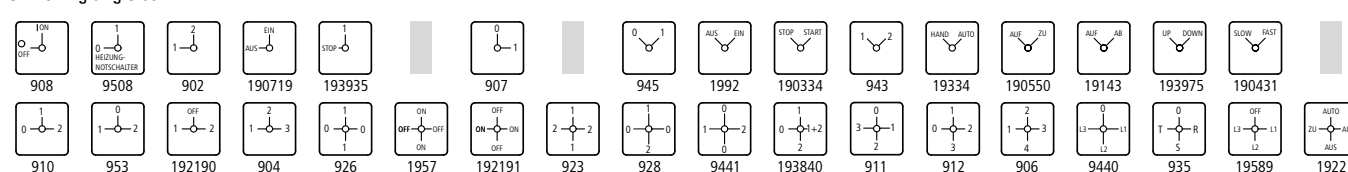
Front plates

FS...-T0(P3)

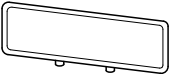
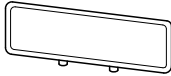
| Switch size                                                | Dimensions<br>(W x H x D)<br>mm | For use with        | Blank plate<br>Can be engraved<br><b>Part no.</b><br>Article no. | <b>Price</b><br>See<br>price list | Std. pack                                                                                                                                                                         | <b>Information relevant for export to<br/>North America</b> |
|------------------------------------------------------------|---------------------------------|---------------------|------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| <b>Standard front plate</b>                                |                                 |                     |                                                                  |                                   |                                                                                                                                                                                   |                                                             |
| Suitable for laser inscription                             |                                 |                     |                                                                  |                                   |                                                                                                                                                                                   | UL/CSA certification not required                           |
| T0, T3, P1                                                 | 45 x 45                         | (for frame 48 x 48) | <b>FS(*)-T0</b><br>231893                                        |                                   | 10 off<br>  |                                                             |
| P3, T5, T5B                                                | 84 x 84                         | (for frame 88 x 88) | <b>FS(*)-P3</b><br>231895                                        |                                   | 10 off<br>  |                                                             |
| <b>Emergency switching off/emergency stop front plates</b> |                                 |                     |                                                                  |                                   |                                                                                                                                                                                   |                                                             |
| T0, T3, P1                                                 | 45 x 45                         | (for frame 48 x 48) | <b>FS908GE-T0</b><br>003198                                      |                                   | 5 off<br>   |                                                             |
| P3, T5, T5B                                                | 84 x 84                         | (for frame 88 x 88) | <b>FS908GE-P3</b><br>031475                                      |                                   | 5 off<br>   |                                                             |
| <b>Blank plate</b>                                         |                                 |                     |                                                                  |                                   |                                                                                                                                                                                   |                                                             |
| Can be engraved                                            |                                 |                     |                                                                  |                                   |                                                                                                                                                                                   |                                                             |
| P3, T5, T5B                                                | 84 x 84                         | (for frame 88 x 88) | <b>FS-ALU980-P3</b><br>266906                                    |                                   | 10 off<br>  |                                                             |
| T0, T3, P1                                                 | 45 x 45                         | (for frame 48 x 48) | <b>FS-ALU980-T0</b><br>266905                                    |                                   | 50 off<br>  |                                                             |

**Notes****Standard front plate**

For standard switches the normal front plate can be replaced if required with the front plate shown here (not with T6, T8 and TM). This is provided the switching angle, number of positions and the position of the 0 position are the same.

**Switching angle 30°****Switching angle 45°****Switching angle 60°****Switching angle 90°**



| Language                                                                                                                                                                                                                                                                                                                                    |                | Cam switches T0, T3, P1<br>Part no.<br>Article no. | Price<br>See price list | Std. pack                                                                                                                                                                            | Switch-disconnectors T5(B), P3<br>Part no.<br>Article no. | Price<br>See price list | Std. pack                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Add-on front plate, clip-on, complete</b>                                                                                                                                                                                                                                                                                                |                |                                                    |                         |                                                                                                                                                                                      |                                                           |                         |                                                                                                                                                                                       |
| For padlocking features<br>consisting of of label mount and insert label                                                                                                                                                                                                                                                                    |                |                                                    |                         |                                                                                                                                                                                      |                                                           |                         |                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                            |                |                                                    |                         |                                                                                                                                                                                      |                                                           |                         |                                                                                                                                                                                       |
| <ul style="list-style-type: none"> <li>Inscribed with standard text<br/>"Main switch - Open only in 0 position"<br/>in various languages</li> <li>Front plates are already included as a standard with:<br/>T.../EA/SVB, P.../EA/SVB main switches for flush mounting<br/>T.../V/SVB, P.../V/SVB main switches for rear mounting</li> </ul> |                |                                                    |                         |                                                                                                                                                                                      |                                                           |                         |                                                                                                                                                                                       |
| Inscribed with standard text                                                                                                                                                                                                                                                                                                                | German/English | <b>ZFS61/62-T0</b><br>030170                       |                         | 25 off<br>      | <b>ZFS61/62-P3</b><br>065739                              |                         | 25 off<br>      |
|                                                                                                                                                                                                                                                                                                                                             | French         | <b>ZFS63-T0</b><br>047424                          |                         |                                                                                                                                                                                      | <b>ZFS63-P3</b><br>047423                                 |                         | 25 off<br>      |
|                                                                                                                                                                                                                                                                                                                                             | Italian        | <b>ZFS68-T0</b><br>065751                          |                         |                                                                                                                                                                                      |                                                           |                         |                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                             | Portuguese     | <b>ZFS72-T0</b><br>205541                          |                         |                                                                                                                                                                                      |                                                           |                         |                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                             | Swedish        | <b>ZFS75-T0</b><br>205544                          |                         |                                                                                                                                                                                      |                                                           |                         |                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                             | Spanish        | <b>ZFS77-T0</b><br>065752                          |                         |                                                                                                                                                                                      | <b>ZFS77-P3</b><br>047422                                 |                         | 25 off<br>      |
|                                                                                                                                                                                                                                                                                                                                             | Hungarian      | <b>ZFS80-T0</b><br>205548                          |                         |                                                                                                                                                                                      | <b>ZFS80-P3</b><br>205565                                 |                         |                                                                                                                                                                                       |
| Blank, can be engraved                                                                                                                                                                                                                                                                                                                      | none           | <b>ZFS60-T0</b><br>019924                          |                         |                                                                                                                                                                                      | <b>ZFS60-P3</b><br>022297                                 |                         |                                                                                                                                                                                       |
| <b>Label mounts, black, clip-on</b>                                                                                                                                                                                                                                                                                                         |                |                                                    |                         |                                                                                                                                                                                      |                                                           |                         |                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                          |                | <b>ZFSX-T0</b><br>024670                           |                         | 25 off<br>  | <b>ZFSX-P3</b><br>027043                                  |                         | 25 off<br>  |
| <b>Insert label</b>                                                                                                                                                                                                                                                                                                                         |                |                                                    |                         |                                                                                                                                                                                      |                                                           |                         |                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                          |                | <b>BS45X14-T0</b><br>029416                        |                         | 25 off<br>  | <b>BS84X24-P3</b><br>031789                               |                         | 25 off<br>  |
| <b>P5 switch-disconnector add-on front plate</b>                                                                                                                                                                                                                                                                                            |                |                                                    |                         |                                                                                                                                                                                      |                                                           |                         |                                                                                                                                                                                       |
| Clip-on<br>Enter country reference when ordering:<br>D = German<br>GB = English<br>F = French<br>I = Italian<br>E = Spanish                                                                                                                                                                                                                 |                |                                                    |                         |                                                                                                                                                                                      |                                                           |                         |                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                          | P5-.../EA/SVB  | <b>ZFS(*)-P5</b><br>105225                         |                         | 1 off<br>   |                                                           |                         |                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                             | P5-.../V/SVB   |                                                    |                         |                                                                                                                                                                                      |                                                           |                         |                                                                                                                                                                                       |

**Information relevant for export to North America**

UL/CSA certification not required





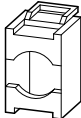
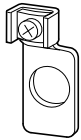
|                                                                                                     |                                                                                                                                                                                                                                                                                                                  | For use with                                                                                                                                                                                      | Withdrawability                                                             |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| S-T0 key operated lock mechanism, front IP53                                                        |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |                                                                             |
| With two keys                                                                                       |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |                                                                             |
|                                                                                                     | KMS 1 lock mechanism: individual lock mechanism, not suitable for master key systems<br>Key withdrawable in all positions                                                                                                                                                                                        | T0-1.../I1 to T0-4.../I1<br>T0-1.../E to T0-6.../E<br>T0-1.../Z to T0-6.../Z<br>T3-1.../E to T3-5.../E<br>T3-1.../Z to T3-5.../Z<br>T3-1.../I2 to T3-4.../I2<br>P1-.../E<br>P1-.../I2<br>P1-.../Z | Withdrawable positions can be programmed by user                            |
|                                                                                                     | KMS 2-10, KMS 201-400 lock mechanisms: individual lock mechanisms, not suitable for master key systems<br>Key withdrawable in all positions                                                                                                                                                                      |                                                                                                                                                                                                   | Withdrawable positions programmed at factory as ordered                     |
|                                                                                                     | Lock KMS1: Switches with FS908 are possible as main switch.<br>Key can be withdrawn in positions as specified                                                                                                                                                                                                    |                                                                                                                                                                                                   |                                                                             |
|                                                                                                     | SA(...) = master key system (master-key facility) with security certificate. Ordering only with lock plan filled out with the <b>full configuration of the envisaged lock system</b> . When reordering state item number from the lock plan, e.g (A 6294-1.2).<br>Key can be withdrawn in positions as specified |                                                                                                                                                                                                   |                                                                             |
| SVA-T3 cylinder lock, front IP65                                                                    |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |                                                                             |
| With two keys                                                                                       |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |                                                                             |
|                                                                                                     | KMS 1 lock mechanism: individual lock mechanism, not suitable for master key systems<br>Key withdrawable in all positions                                                                                                                                                                                        | T0-.../E, T0-.../I1, T0-.../Z<br>T3-.../E, T3-.../I2, T3-.../Z<br>P1-.../E, P1-.../I2, P1-.../Z                                                                                                   | Withdrawable positions can be programmed by user                            |
|                                                                                                     | KMS 2-10, KMS 201-400 lock mechanisms: individual lock mechanisms, not suitable for master key systems<br>Key withdrawable in all positions                                                                                                                                                                      |                                                                                                                                                                                                   | Withdrawable positions programmed at factory as ordered                     |
|                                                                                                     | Lock KMS1: Switches with FS908 are possible as main switch.<br>Key can be withdrawn in positions as specified                                                                                                                                                                                                    | T0-1-... to T0-4-.../I1<br>T0-1-.../E to T0-4-.../E<br>T3-1-... to T3-5-.../I2<br>T3-1-... to T3-6-.../E<br>P1-.../I2, P1-.../E                                                                   |                                                                             |
|                                                                                                     | SA(...) = master key system (master-key facility) with security certificate. Ordering only with lock plan filled out with the <b>full configuration of the envisaged lock system</b> . When reordering state item number from the lock plan, e.g (A 6294-1.2).<br>Key can be withdrawn in positions as specified |                                                                                                                                                                                                   |                                                                             |
| SVC-T3 padlocking feature, front IP65                                                               |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |                                                                             |
| The locking slide can be locked with a max. of 3 padlocks when in its pressed, interlocked position |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |                                                                             |
|                                                                                                     | All positions can be locked                                                                                                                                                                                                                                                                                      | T0-.../E, T0-.../I1, T0-.../Z<br>T3-.../E, T3-.../I2, T3-.../Z<br>P1-.../E, P1-.../I2, P1-.../Z                                                                                                   | The positions that can be locked can be programmed by the user              |
|                                                                                                     | Specific positions or ranges can be locked                                                                                                                                                                                                                                                                       | Switches with FS908 can be used as main switches for:<br>T0-1-... to T0-4-.../I1, .../E<br>T3-1-... to T3-5-.../I2<br>T3-1-... to T3-6-.../E<br>P1-.../I2, P1-.../E                               | The positions that can be locked are programmable at the factory as ordered |



| Part no.<br>Article no.               | Price<br>See price<br>list | Std. pack | Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------|----------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                       |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>S-T0</b><br>086709                 |                            | 1 off     | The key replaces the thumb-grip, cannot be switched without key. The switch position indication is on the lock. Normally the key is withdrawable in every position.<br>On cam switches ordered with front plate FS908 together with key operation, the key is only withdrawable in the 0 position.<br>The key withdraw can be changed (also retrospectively) with the locking cam "VR-T0".<br>When retrofitting the key operation, the existing front plate of the cam switch must be used.<br>Keys → Page 4/66 |
| <b>S-SOND-KMS(*)-T0</b><br>231957     |                            | 1 off     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>S(*)-T0</b><br>231959              |                            | 1 off     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>S(*)-SOND-SA(*)-T0</b><br>231965   |                            | 1 off     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                       |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>SVA-T3</b><br>050974               |                            | 1 off     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>SVA-SOND-KMS(*)-T3</b><br>231967   |                            | 1 off     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>SVA(*)-T3</b><br>907745            |                            | 1 off     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>SVA(*)-SOND-SA(*)-T3</b><br>231971 |                            | 1 off     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                       |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>SVC-T3</b><br>050975               |                            | 1 off     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>SVC(*)-T3</b><br>907748            |                            | 1 off     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



| For use with                                                                                                                                                                                                                                   |                                                                                          | Part no.<br>Article no.                                                                                 | Price<br>See price list           | Std. pack                                                                                                                                                                           | Information relevant for export to North America<br>                |                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Neutral conductor</b>                                                                                                                                                                                                                       |                                                                                          |                                                                                                         |                                   |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
| Early-make on switching, late-break off switching<br>The N contact always behaves as an early-make contact when switching on and as a late-break contact when switching off.<br>N-P1(P3)... switching capacity same as for contacts P1(P3)-... |                                                                                          |                                                                                                         |                                   |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
|                                                                                                                                                               | For left or right side mounting                                                          | P1-.../E, .../EA, .../EZ                                                                                | <b>N-P1E</b><br>000651            | 5 off<br>      | Product Standards UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking<br>UL File No. CSA report applies to both Canada and US<br>UL CCN –<br>CSA File No. 12528<br>CSA Class No. 3211-05<br>NA Certification UL Listed, CSA certified |                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                | For P1-.../I2: optionally, N-P1Z or HI11-P1/P3Z, can only be fitted on the left          | P1-.../Z, .../N, .../I2, .../IVS                                                                        | <b>N-P1Z</b><br>000652            |                                                                                                                                                                                     | 1 off                                                                                                                                                                                                                                     | Product Standards UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking<br>UL File No. E36332<br>UL CCN NLRV<br>CSA File No. 12528<br>CSA Class No. 3211-05<br>NA Certification UL Listed, CSA certified |
|                                                                                                                                                                                                                                                |                                                                                          | P3-.../E, .../EA...                                                                                     | <b>N-P3E</b><br>062432            |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                |                                                                                          | P3-.../Z, .../N, .../IVS<br>P3-63.../Z, .../I4<br>P3-100.../Z, .../I5                                   | <b>N-P3Z</b><br>064805            |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
| <b>Neutral terminal</b>                                                                                                                                                                                                                        |                                                                                          |                                                                                                         |                                   |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
| Front mounting, left<br>Service distribution board mounting, right                                                                                                                                                                             |                                                                                          |                                                                                                         |                                   |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                |                                                                                          | P5-125(160)/E(EA)                                                                                       | <b>N-P5-125/160E</b><br>280969    | 1 off                                                                                                                                                                               |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                |                                                                                          | P5-125(160)/Z(V)                                                                                        | <b>N-P5-125/160Z</b><br>280970    |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                |                                                                                          | P5-250(315)/E(EA)                                                                                       | <b>N-P5-250/315E</b><br>280971    |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                |                                                                                          | P5-250(315)/Z(V)                                                                                        | <b>N-P5-250/315Z</b><br>280972    |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
| <b>Ground terminal</b>                                                                                                                                                                                                                         |                                                                                          |                                                                                                         |                                   |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
| Front mounting, right<br>Service distribution board mounting, left                                                                                                                                                                             |                                                                                          |                                                                                                         |                                   |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                |                                                                                          | P5-125(160)/E(EA)                                                                                       | <b>PE-P5-125/160E</b><br>280973   | 1 off                                                                                                                                                                               |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                |                                                                                          | P5-125(160)/Z(V)                                                                                        | <b>PE-P5-125/160Z</b><br>280974   |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                |                                                                                          | P5-250(315)/E(EA)                                                                                       | <b>PE-P5-250/315E</b><br>280975   |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                |                                                                                          | P5-250(315)/Z(V)                                                                                        | <b>PE-P5-250/315Z</b><br>280976   |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
| <b>Auxiliary contacts</b>                                                                                                                                                                                                                      |                                                                                          |                                                                                                         |                                   |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
| 1 normally open (N/O), 1 normally close contact (N/C)<br>Late-break on switching, early-make off switching. The N/O is always connected as a load-shedding contact.                                                                            |                                                                                          |                                                                                                         |                                   |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
|                                                                                                                                                             | For left and/or right side mounting                                                      | P1-.../E, .../EA..., .../EZ<br>P3-.../E, .../EA                                                         | <b>HI11-P1/P3E</b><br>061813      | 5 off<br>  | Product Standards UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-5; CE marking<br>UL File No. E36332<br>UL CCN NLRV<br>CSA File No. 12528<br>CSA Class No. 3211-05<br>NA Certification UL Listed, CSA certified                                |                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                | For P1-.../I2: optionally, HI11-P1/P3Z or N-P1Z, can only be fitted on the left          | P1-.../Z, .../N, .../I2, .../IVS<br>P3-63/Z, .../N, .../I4, .../IVS<br>P3-100/Z, .../N, .../I5, .../IVS | <b>HI11-P1/P3Z</b><br>062031      | 5 off<br>  |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
| 2 normally open (N/O), 1 normally close contact (N/C)                                                                                                                                                                                          |                                                                                          |                                                                                                         |                                   |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
|                                                                                                                                                             | For left and/or right side mounting                                                      | P5-125(160)/E(EA)                                                                                       | <b>HI21-P5-125/160E</b><br>280963 | 1 off                                                                                                                                                                               |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                |                                                                                          | P5-125(160)/Z(V)                                                                                        | <b>HI21-P5-125/160Z</b><br>280964 |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                |                                                                                          | P5-250(315)/E(EA)                                                                                       | <b>HI21-P5-250/315E</b><br>280965 |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                |                                                                                          | P5-250(315)/Z(V)                                                                                        | <b>HI21-P5-250/315Z</b><br>280966 |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
| <b>Center mounting accessories</b>                                                                                                                                                                                                             |                                                                                          |                                                                                                         |                                   |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
| For single-hole fitting 22.3 mm                                                                                                                                                                                                                |                                                                                          |                                                                                                         |                                   |                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |
|                                                                                                                                                             | For cam switches with existing front plate - quick installation with snap fitting system | T0-.../E<br>T3-.../E                                                                                    | <b>EZ-T0</b><br>081622            | 1 off<br>  | UL/CSA certification not required                                                                                                                                                                                                         |                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                | Mounting diameter 22.3 mm, one man mounting with screw fixing                            | T0-.../E<br>T3-.../E<br>P1-.../E                                                                        | <b>EZ-P1</b><br>091455            | 1 off<br>  |                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |

|                                                                                                                                               |                                                                                                                | For use with                                                            | Part no.<br>Article no.                 | Price<br>See<br>price<br>list | Std. pack                                                                                                                                                                             | Notes                                                                                                                             | Information rele-<br>vant for export to<br>North America<br>  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Service distribution board mounting accessories</b>                                                                                        |                                                                                                                |                                                                         |                                         |                               |                                                                                                                                                                                       |                                                                                                                                   |                                                                                                                                                                                                                                     |
| Including push-fit shaft                                                                                                                      |                                                                                                                |                                                                         |                                         |                               |                                                                                                                                                                                       |                                                                                                                                   |                                                                                                                                                                                                                                     |
|                                                              | For retrofitting in service distribution board mounting T0-.../IVS design. Use the basic switch's front plate. | T0-.../XZ                                                               | <b>IVS-T0</b><br>091114                 |                               | 1 off<br>       |                                                                                                                                   | UL/CSA certifica-<br>tion not required                                                                                                                                                                                              |
| <b>Coupling drive</b>                                                                                                                         |                                                                                                                |                                                                         |                                         |                               |                                                                                                                                                                                       |                                                                                                                                   |                                                                                                                                                                                                                                     |
| Including push-fit shaft                                                                                                                      |                                                                                                                |                                                                         |                                         |                               |                                                                                                                                                                                       |                                                                                                                                   |                                                                                                                                                                                                                                     |
|                                                              | For the retrofitting of switch T0(T3)-.../XZ as rear mounting, spare part for T0(T3)/(P1)-.../Z                | –                                                                       | <b>DE-T0</b><br>093487                  |                               | 1 off<br>       |                                                                                                                                   | UL/CSA certifica-<br>tion not required                                                                                                                                                                                              |
|                                                                                                                                               | For the conversion of T5(B)-.../E flush mounting switch to rear mounting, spare part for T5(B)/(P3)-...Z       | –                                                                       | <b>DE-P3</b><br>093972                  |                               | 3 off<br>       |                                                                                                                                   |                                                                                                                                                                                                                                     |
| <b>Interlock sections</b>                                                                                                                     |                                                                                                                |                                                                         |                                         |                               |                                                                                                                                                                                       |                                                                                                                                   |                                                                                                                                                                                                                                     |
| With PE and neutral conductor connection<br>Mounting on the back of flush mounting switch, with interlock function in rear mounting switches. |                                                                                                                |                                                                         |                                         |                               |                                                                                                                                                                                       |                                                                                                                                   |                                                                                                                                                                                                                                     |
|                                                              |                                                                                                                | T0-.../E, ...EZ, ...Z<br>T3-.../E, ...EZ, ...Z<br>P1-.../E, ...EZ, ...Z | <b>UV-T0</b><br>019925                  |                               | 1 off<br>       | Mounting on the<br>back of flush<br>mounting switch                                                                               | UL/CSA certifica-<br>tion not required                                                                                                                                                                                              |
|                                                                                                                                               |                                                                                                                | T5(B)-.../E, ...Z<br>P3-.../E, ...Z                                     | <b>UV-P3</b><br>048289                  |                               | 1 off<br>       | With interlock<br>function for rear<br>mounting switches                                                                          |                                                                                                                                                                                                                                     |
| <b>Interlock extensions</b>                                                                                                                   |                                                                                                                |                                                                         |                                         |                               |                                                                                                                                                                                       |                                                                                                                                   |                                                                                                                                                                                                                                     |
| A max. of 4 units can be plugged on the interlock section every 25 mm<br>(an equal number of shaft extensions is required for this)           |                                                                                                                |                                                                         |                                         |                               |                                                                                                                                                                                       |                                                                                                                                   |                                                                                                                                                                                                                                     |
|                                                            | Use only with T0/T3-... and P3-.../Z designs                                                                   | UV-T0                                                                   | <b>ZVV-T0</b><br>022298                 |                               | 10 off<br>  | –                                                                                                                                 | UL/CSA certifica-<br>tion not required                                                                                                                                                                                              |
|                                                                                                                                               | Use only with T5(B)-.../Z and P3-.../Z designs                                                                 | UV-P3                                                                   | <b>ZVV-P3</b><br>024671                 |                               | 10 off<br>  | –                                                                                                                                 |                                                                                                                                                                                                                                     |
| <b>Shaft extensions</b>                                                                                                                       |                                                                                                                |                                                                         |                                         |                               |                                                                                                                                                                                       |                                                                                                                                   |                                                                                                                                                                                                                                     |
| A max. of 4 units can be put on the switch shaft every 25 mm                                                                                  |                                                                                                                |                                                                         |                                         |                               |                                                                                                                                                                                       |                                                                                                                                   |                                                                                                                                                                                                                                     |
|                                                            |                                                                                                                | T0-.../Z, T0-.../V<br>T3-.../Z, T3-.../V<br>P1-.../Z, P1-.../V          | <b>ZAV-T0</b><br>027044                 |                               | 10 off<br>  | –                                                                                                                                 | UL/CSA certifica-<br>tion not required                                                                                                                                                                                              |
|                                                                                                                                               |                                                                                                                | T5(B)-.../Z<br>P3-.../Z<br>P3-.../V                                     | <b>ZAV-P3</b><br>029417                 |                               | 10 off<br>  | –                                                                                                                                 |                                                                                                                                                                                                                                     |
| <b>Shaft</b>                                                                                                                                  |                                                                                                                |                                                                         |                                         |                               |                                                                                                                                                                                       |                                                                                                                                   |                                                                                                                                                                                                                                     |
|                                                                                                                                               | Aluminum, length: 480 mm                                                                                       | P5-.../V...<br>P5-.../Z                                                 | <b>ZAV-P5</b><br>280979                 |                               | 1 off<br>   |                                                                                                                                   | UL/CSA certifica-<br>tion not required                                                                                                                                                                                              |
| <b>Interlock extensions und shaft extensions, complete</b>                                                                                    |                                                                                                                |                                                                         |                                         |                               |                                                                                                                                                                                       |                                                                                                                                   |                                                                                                                                                                                                                                     |
|                                                                                                                                               | Extension to 25 mm<br>When ordering with basic unit                                                            |                                                                         | <b>+ZAV(X1)+ZVV(X1)-T0/P3</b><br>254546 |                               | 1 off<br>   |                                                                                                                                   | UL/CSA certifica-<br>tion not required                                                                                                                                                                                              |
| <b>Control cable terminal</b>                                                                                                                 |                                                                                                                |                                                                         |                                         |                               |                                                                                                                                                                                       |                                                                                                                                   |                                                                                                                                                                                                                                     |
|                                                            |                                                                                                                | P5-250/315                                                              | <b>ST-P5-250/315</b><br>280978          |                               | 1 off<br>   | Terminal capacity:<br>• Solid or stranded:<br>4 mm <sup>2</sup><br>• Flexible with<br>ferrules to<br>DIN 46228: 4 mm <sup>2</sup> | UL/CSA certifica-<br>tion not required                                                                                                                                                                                              |







|                                           |                                                                                                                                  | For use with                                                    | Part no.<br>Article no.       | Price<br>See price list | Std. pack  | Notes                                                                                                                                                 |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------|-------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shrouds<sup>1)</sup></b>               |                                                                                                                                  |                                                                 |                               |                         |            |                                                                                                                                                       |
|                                           | For flush mounting switches with up to 4 contact units                                                                           | T0-.../E<br>T3-.../E                                            | <b>H3-T0</b><br>093828        |                         | 1 off<br>  | Cable entries<br>Quantity:<br>2 x Ø 20 mm<br>+ 2 x Ø 15 mm<br>Cross-section:<br>5 x 6 mm <sup>2</sup><br>5 x 2.5 mm <sup>2</sup>                      |
|                                           | For covering the connection terminals of up to 2 contact units                                                                   | T5(B)-.../E, .../Z                                              | <b>H1-T5</b><br>045062        |                         | 1 off<br>  | Can be optionally used for input wiring and/or outgoer                                                                                                |
|                                           | Extension for H1-T5 protective shroud on 3 - 8 contact units                                                                     | H1-T5                                                           | <b>HZ-T5</b><br>045063        |                         | 10 off<br> | One HZ-T5 required per contact unit                                                                                                                   |
|                                           | For covering the connection terminals on 3 pole switch-disconnectors                                                             | P1-.../E, .../EZ, .../Z, .../EA, .../V                          | <b>H-P1</b><br>017253         |                         | 5 off<br>  | Can be optionally used for input wiring and/or outgoer                                                                                                |
|                                           | For covering the connection terminals on 4 pole switch-disconnectors                                                             | P1-...N, ...HI11, ...N...HI11                                   | <b>H-P14</b><br>019626        |                         | 5 off<br>  | Can be optionally used for input wiring and/or outgoer                                                                                                |
|                                           | For covering the connection terminals on 3 pole open switch-disconnectors with N neutral conductor and/or HI11 auxiliary contact | P3-.../E, .../Z, .../EA, .../V<br>P3-...N, ...HI11, ...N...HI11 | <b>H-P3</b><br>021999         |                         | 5 off<br>  | The protective shroud is designed for mounting on the switch-disconnector on both sides; non-required parts can be broken off.                        |
|                                           | For covering the terminals                                                                                                       | P5                                                              | <b>H-P5-125/160</b><br>293977 |                         | 1 off<br>  |                                                                                                                                                       |
|                                           | For covering the terminals                                                                                                       | P5                                                              | <b>H-P5-250/315</b><br>293978 |                         | 1 off<br>  |                                                                                                                                                       |
|                                           | Set (6 units) for covering the connection terminals                                                                              | T8-3-8342/...                                                   | <b>H-T8</b><br>200184         |                         | 6 off<br>  |                                                                                                                                                       |
| <b>Key</b>                                |                                                                                                                                  |                                                                 |                               |                         |            |                                                                                                                                                       |
|                                           | For KMS 1 individual lock mechanism                                                                                              | —                                                               | <b>ES-KMS1-T0</b><br>231972   |                         | 10 off     |                                                                                                                                                       |
|                                           | For KMS 2 - 10 or KMS 201 - 400 individual lock mechanism                                                                        | —                                                               | <b>ES-KMS(*)-T0</b><br>231973 |                         | 1 off      |                                                                                                                                                       |
|                                           | Individual key, stainless, for master key system and stored individual lock mechanisms, state lock plan no. and key.             | —                                                               | <b>HS-SA(*)-T0</b><br>256151  |                         | 1 off      | Master key must be ordered additionally.<br>The security certificate must be sent when reordering.<br><b>Ordering example:</b><br>HS-SA(A6294-1.2)-T0 |
| <b>Locking cams (2 cams per set)</b>      |                                                                                                                                  |                                                                 |                               |                         |            |                                                                                                                                                       |
|                                           | For later change of key withdrawability in the engagement positions                                                              | S-T0 for all switching angles                                   | <b>VR-T0</b><br>089082        |                         | 1 off<br>  |                                                                                                                                                       |
|                                           | For changing the blocked positions/ranges                                                                                        | SVA-T3<br>SVC-T3                                                | <b>VR-T3</b><br>050987        |                         | 1 off<br>  |                                                                                                                                                       |
| <b>Mounting plate shield<sup>2)</sup></b> |                                                                                                                                  |                                                                 |                               |                         |            |                                                                                                                                                       |
|                                           | To connect the shielding                                                                                                         | CI-K2                                                           | <b>MBS-I2</b><br>290191       |                         | 1 off      |                                                                                                                                                       |
|                                           | To connect the shielding                                                                                                         | CI-K4                                                           | <b>MBS-I4</b><br>118742       |                         | 1 off      |                                                                                                                                                       |

## Information relevant for export to North America



1)

UL/CSA certification not required

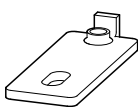
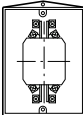
2)

Product Standards

UL File No.  
UL CCN  
CSA File No.  
CSA Class No.  
NA Certification

UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking  
E36332  
NLRV  
12528  
3211-07  
UL Listed, CSA certified

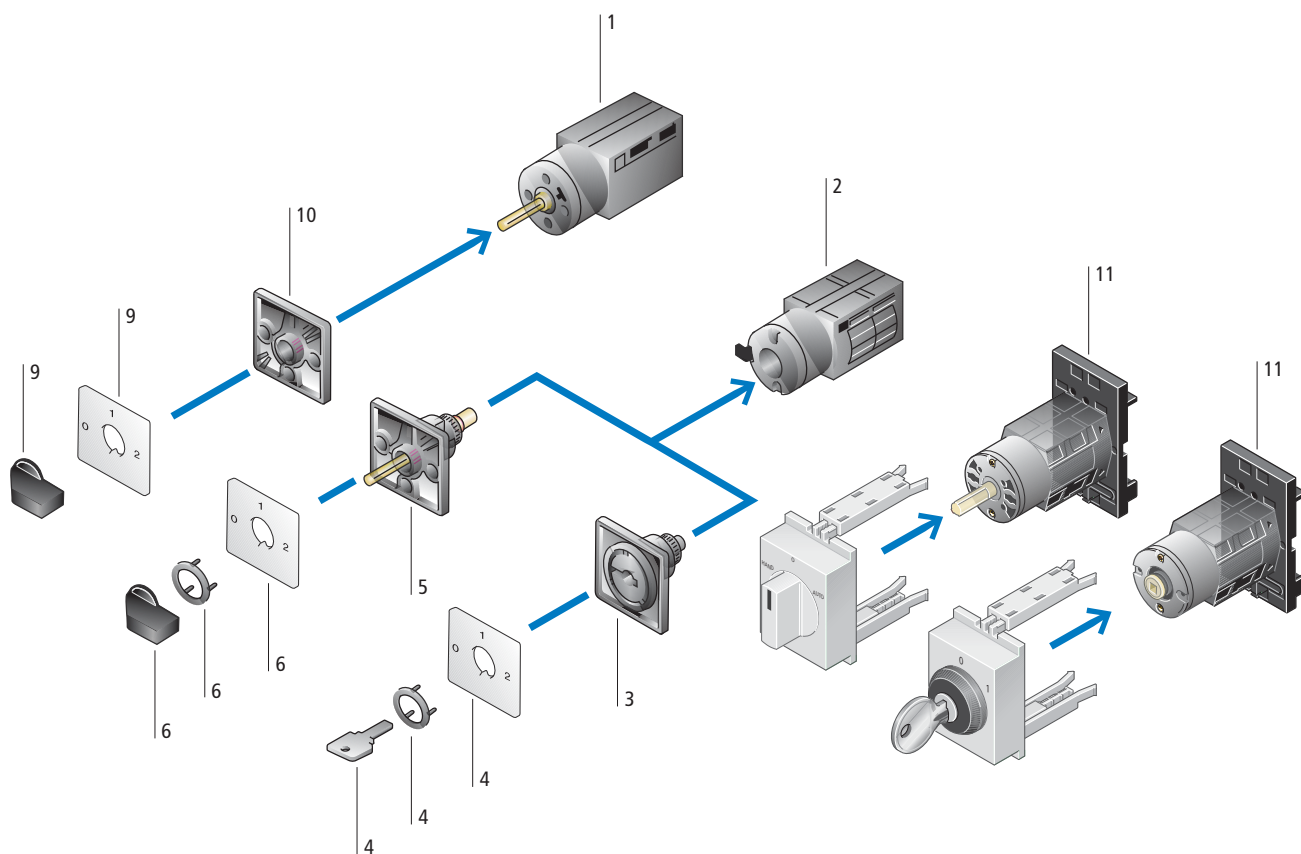
HPL04067EN

|                                                                                     |                                                | For use with                                     | Part no.<br>Article no.                             | Price<br>See price list                                                                                                                                                          | Std. pack                                                                                                                                                                             | Notes                                                                                                                                                   |
|-------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP65 insulated enclosures                                                           |                                                |                                                  |                                                     |                                                                                                                                                                                  |                                                                                                                                                                                       |                                                                                                                                                         |
|    | 1 - 2 contact units                            | With push-through cable entry diaphragm.         | T0-.../Z                                            | CI-K1-T0-2<br>207435                                                                                                                                                             | 1 off                                                                                                                                                                                 | The diaphragm can be pierced with the cable<br>Main current/control current:<br>12 mm/- 16 mm/8 mm<br>1 contact unit = 2 contacts                       |
|                                                                                     | 3 - 4 contact units                            |                                                  | T0-.../Z                                            | CI-K1-T0-4<br>207436                                                                                                                                                             | 1 off                                                                                                                                                                                 |                                                                                                                                                         |
|                                                                                     | 1 - 2 contact units                            |                                                  | T3-.../Z                                            | CI-K2-T3-2 <sup>1)</sup><br>207437                                                                                                                                               | 1 off<br>       |                                                                                                                                                         |
|                                                                                     | 3 - 4 contact units                            |                                                  | T3-.../Z                                            | CI-K2-T3-4 <sup>1)</sup><br>225325                                                                                                                                               |                                                                                                                                                                                       |                                                                                                                                                         |
|                                                                                     | 5 contact units                                |                                                  | T3-.../Z                                            | CI-K2-T3-5 <sup>1)</sup><br>207438                                                                                                                                               |                                                                                                                                                                                       |                                                                                                                                                         |
|                                                                                     | 1 - 2 contact units                            | With metric knockouts                            | T0-.../Z                                            | CI-K1H-T0-2<br>105854                                                                                                                                                            | 1 off                                                                                                                                                                                 | For converting T5-.../Z into T5-.../I5 and T5B-.../E into T5B-.../I4:<br>Order AW-T5-... extension terminal additionally<br>1 contact unit = 2 contacts |
|                                                                                     | 3 - 4 contact units                            |                                                  | T0-.../Z                                            | CI-K1H-T0-4<br>105855                                                                                                                                                            |                                                                                                                                                                                       |                                                                                                                                                         |
|                                                                                     | 1 - 2 contact units                            |                                                  | T3-.../Z                                            | CI-K2H-T3-2<br>269462                                                                                                                                                            |                                                                                                                                                                                       |                                                                                                                                                         |
|                                                                                     | 3 - 4 contact units                            |                                                  | T3-.../Z                                            | CI-K2H-T3-4<br>105859                                                                                                                                                            |                                                                                                                                                                                       |                                                                                                                                                         |
|                                                                                     | 5 contact units                                |                                                  | T3-.../Z                                            | CI-K2H-T3-5<br>105860                                                                                                                                                            |                                                                                                                                                                                       |                                                                                                                                                         |
| 1 - 2 contact units                                                                 | T5B-.../E                                      |                                                  | CI-K4-T5B-2<br>207439                               | 1 off<br>  |                                                                                                                                                                                       |                                                                                                                                                         |
| 3 - 4 contact units                                                                 | T5B-.../Z                                      |                                                  | CI-K4-T5B-4<br>207440                               |                                                                                                                                                                                  |                                                                                                                                                                                       |                                                                                                                                                         |
| 1 - 2 contact units                                                                 | T5-.../Z                                       |                                                  | CI-K5-T5-2<br>207441                                |                                                                                                                                                                                  |                                                                                                                                                                                       |                                                                                                                                                         |
| 3 - 4 contact units                                                                 | T5-.../Z                                       |                                                  | CI-K5-T5-4<br>207442                                |                                                                                                                                                                                  |                                                                                                                                                                                       |                                                                                                                                                         |
| Only available together with basic unit                                             | T0-.../I1                                      |                                                  | +I1H<br>105870                                      | 1 off                                                                                                                                                                            |                                                                                                                                                                                       |                                                                                                                                                         |
| Only available together with basic unit                                             | T3-.../I2<br>P1-.../I2                         | +I2H<br>105871                                   | 1 off                                               |                                                                                                                                                                                  |                                                                                                                                                                                       |                                                                                                                                                         |
| Neutral terminals                                                                   |                                                |                                                  |                                                     |                                                                                                                                                                                  |                                                                                                                                                                                       |                                                                                                                                                         |
| For connection of a 5th conductor                                                   |                                                | CI-K2-PKZ0-...                                   | K-CI-K1/2 <sup>2)</sup><br>207451                   |                                                                                                                                                                                  | 20 off<br>  |                                                                                                                                                         |
|                                                                                     |                                                | T5B-.../I4,<br>CI-K4-T5B-...<br>P3-.../I4, CI-K4 | K-CI-K4 <sup>2)</sup><br>206916                     |                                                                                                                                                                                  |                                                                                                                                                                                       |                                                                                                                                                         |
|                                                                                     |                                                | T5-.../I5,<br>CI-K5-T5-...<br>P3-.../I5, CI-K5   | K-CI-K5 <sup>2)</sup><br>218488                     |                                                                                                                                                                                  |                                                                                                                                                                                       |                                                                                                                                                         |
| Set of external fixing brackets                                                     |                                                |                                                  |                                                     |                                                                                                                                                                                  |                                                                                                                                                                                       |                                                                                                                                                         |
|  |                                                |                                                  | T5B-.../I4,<br>T5-.../I5,<br>P3-63/I4,<br>P3-100/I5 | AB-CI-K4/5 <sup>2)</sup><br>206914                                                                                                                                               | 1 off<br>   | For fixing CI-K4 and CI-K5 directly on walls.<br>One set contains 4 brackets.                                                                           |
|                                                                                     |                                                |                                                  |                                                     |                                                                                                                                                                                  |                                                                                                                                                                                       |                                                                                                                                                         |
| Set of extension terminals                                                          |                                                |                                                  |                                                     |                                                                                                                                                                                  |                                                                                                                                                                                       |                                                                                                                                                         |
| For retrofitting<br>for connection inside enclosure                                 |                                                |                                                  |                                                     |                                                                                                                                                                                  |                                                                                                                                                                                       |                                                                                                                                                         |
|  | For the bottom contact unit                    | T5B-.../I4<br>T5-.../I5                          | AW-T5-1/2 <sup>2)</sup><br>032601                   |                                                                                                                                                                                  | 10 off<br>  | Already included in equipment<br>supplied with T5B-.../I4 and T5-.../I5.                                                                                |
|                                                                                     | For the second contact unit from the<br>bottom | T5-.../I5                                        | AW-T5-3/4 <sup>2)</sup><br>032602                   |                                                                                                                                                                                  | 1 off<br>   | Already included in equipment<br>supplied with T5B-.../I4 and T5-.../I5.                                                                                |

**Notes****Information relevant for export to North America**

- <sup>1)</sup> Product Standards    UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94;  
IEC/EN 60947-3; CE marking
- UL File No.    E54120  
UL CCN    MITW2  
CSA File No.    12528  
CSA Class No.    3211-07  
NA Certification    UL Listed, CSA certified  
Degree of Protection    IEC: IP65; UL/CSA Type 1, 3R, 4X, 12, 13 – indoor and outdoor use

<sup>2)</sup> UL/CSA certification not required**System overview**



|                                                    |   |
|----------------------------------------------------|---|
| <b>Flush mounting (.../E)</b>                      | 1 |
| Front IP65                                         |   |
| Mounting from rear in panel sides, plates or doors |   |
| Terminals                                          |   |
| Crosshead screwdriver Pozidriv                     |   |
| Finger proof                                       |   |
| → Page 4/70                                        |   |

|                                                                |   |
|----------------------------------------------------------------|---|
| <b>Flush mounting control circuit isolator (.../E/SVB)</b>     | 1 |
| Front IP65                                                     |   |
| TO IEC/EN 60 947-5, VDE 0660                                   |   |
| 0 position lockable with 2 padlocks 4 mm Ø or 1 padlock 6 mm Ø |   |
| Can be used with up to 250 V AC per contact                    |   |
| Maximum 6 contacts permissible                                 |   |
| → Page 4/70                                                    |   |

|                                                                                                                   |   |
|-------------------------------------------------------------------------------------------------------------------|---|
| <b>Center mounting (.../EZ)</b>                                                                                   | 2 |
| Front IP65                                                                                                        |   |
| Mounted in 16.2 Ø or 22.3 Ø fixing hole, as specified in IEC/EN 60 947-5-1, after the included adapter is removed |   |
| → Page 4/70                                                                                                       |   |

|                                                |      |
|------------------------------------------------|------|
| <b>Key operation for center mounting</b>       | 3, 4 |
| 2 keys are supplied                            |      |
| Key withdrawable 90°                           |      |
| Key withdrawable 60° with RONIS lock cylinder. |      |
| → Page 4/77                                    |      |

|                                              |      |
|----------------------------------------------|------|
| <b>Standard switches for center mounting</b> | 5, 6 |
| Black thumb-grip                             |      |
| → Page 4/70                                  |      |

|                                              |      |
|----------------------------------------------|------|
| <b>Control circuit isolators</b>             | 7, 8 |
| Red rotary handle and yellow locking collar  |      |
| Black rotary handle and black locking collar |      |
| Lockable in the 0 position                   |      |
| → Page 4/70                                  |      |

|                                             |       |
|---------------------------------------------|-------|
| <b>Standard switches for flush mounting</b> | 9, 10 |
| Black thumb-grip                            |       |
| → Page 4/71                                 |       |

|                                                              |    |
|--------------------------------------------------------------|----|
| <b>Standard switches for IVS distribution board mounting</b> | 11 |
| Mounting in installation distribution board                  |    |
| Overall width: 2 space units (45 mm mounting depth)          |    |
| Up to 2 contact units                                        |    |

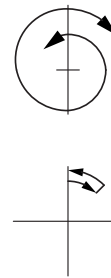
## Product features

### Contact chamber

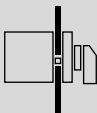
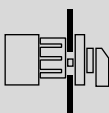
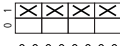
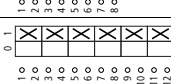
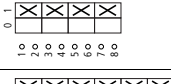
- Rated uninterrupted current 10 A
- Positively opening contacts
- 1 – 2 contacts per contact chamber, up to 16 contacts per switch
- For switching unequal potentials
- Control circuit reliability

### Switch position

- Safety due to indexing
- Switching angles 30°, 45°, 60°, 90°
- Spring action with automatic return with max. 6 contacts, switching angle  $\geq 60^\circ$
- Complete rotation
- If the total switching angle is 360°, complete rotation possible in both operating directions





|                                                                                                                                    |                                                                                              |                                     | Flush mounting<br>Front IP65                                                      |                         | Center mounting<br>Front IP65                                                                                                                                                    |                                                                                    |                         |                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact sequence                                                                                                                   | Front plate no.                                                                              | Pole                                | Part no.<br>Article no.                                                           | Price<br>See price list | Std. pack                                                                                                                                                                        | Part no.<br>Article no.                                                            | Price<br>See price list | Std. pack                                                                                                                                                                            |
|                                                                                                                                    |                                                                                              |                                     |  |                         |                                                                                                                                                                                  |  |                         |                                                                                                                                                                                      |
| <b>Control circuit isolators, 90°</b><br>with padlocking feature<br>Lockable in the 0 (Off) position<br>Up to 250 V AC per contact |                                                                                              |                                     |                                                                                   |                         |                                                                                                                                                                                  |                                                                                    |                         |                                                                                                                                                                                      |
|                                                   |             | 1                                   | <b>TM-1-8290/E/SVB</b><br>045477                                                  |                         | 1 off<br>      |                                                                                    |                         |                                                                                                                                                                                      |
|                                                   |                                                                                              | 1                                   | <b>TM-1-8290/E/SVB-SW</b><br>215351                                               |                         |                                                                                                                                                                                  |                                                                                    |                         |                                                                                                                                                                                      |
|                                                   |                                                                                              | 2                                   | <b>TM-1-8291/E/SVB</b><br>045478                                                  |                         |                                                                                                                                                                                  |                                                                                    |                         |                                                                                                                                                                                      |
|                                                   |                                                                                              | 2                                   | <b>TM-1-8291/E/SVB-SW</b><br>215352                                               |                         |                                                                                                                                                                                  |                                                                                    |                         |                                                                                                                                                                                      |
|                                                   |                                                                                              | 3                                   | <b>TM-2-8292/E/SVB</b><br>045484                                                  |                         |                                                                                                                                                                                  |                                                                                    |                         |                                                                                                                                                                                      |
|                                                   | 3                                                                                            | <b>TM-2-8292/E/SVB-SW</b><br>210955 |                                                                                   |                         |                                                                                                                                                                                  |                                                                                    |                         |                                                                                                                                                                                      |
|                                                   | 3 + N                                                                                        | <b>TM-2-8293/E/SVB</b><br>045485    |                                                                                   |                         |                                                                                                                                                                                  |                                                                                    |                         |                                                                                                                                                                                      |
|                                                  | 6                                                                                            | <b>TM-3-8326/E/SVB</b><br>045498    |                                                                                   |                         |                                                                                                                                                                                  |                                                                                    |                         |                                                                                                                                                                                      |
| <b>On-Off switches, 90°</b>                                                                                                        |                                                                                              |                                     |                                                                                   |                         |                                                                                                                                                                                  |                                                                                    |                         |                                                                                                                                                                                      |
|                                                 | <br>F 056 | 1                                   | <b>TM-1-8290/E</b><br>070131                                                      |                         | 1 off<br>  | <b>TM-1-8290/EZ</b><br>000693                                                      |                         | 1 off<br>  |
|                                                 |                                                                                              | 2                                   | <b>TM-1-8291/E</b><br>072504                                                      |                         |                                                                                                                                                                                  | <b>TM-1-8291/EZ</b><br>015073                                                      |                         |                                                                                                                                                                                      |
|                                                 |                                                                                              | 3                                   | <b>TM-2-8292/E</b><br>074877                                                      |                         |                                                                                                                                                                                  | <b>TM-2-8292/EZ</b><br>015096                                                      |                         |                                                                                                                                                                                      |
|                                                 |                                                                                              | 3 + N                               | <b>TM-2-8293/E</b><br>077250                                                      |                         |                                                                                                                                                                                  | <b>TM-2-8293/EZ</b><br>045486                                                      |                         |                                                                                                                                                                                      |
|                                                 |                                                                                              | 6                                   | <b>TM-3-8326/E</b><br>079623                                                      |                         |                                                                                                                                                                                  |                                                                                    |                         |                                                                                                                                                                                      |

## Information relevant for export to North America



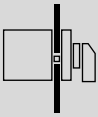
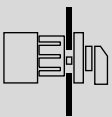
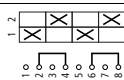
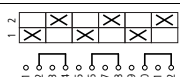
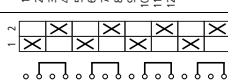
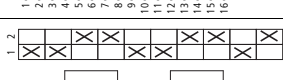
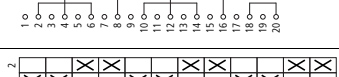
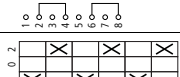
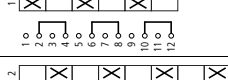
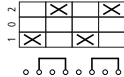
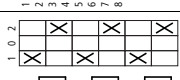
## Product Standards

UL File No.  
 UL CCN  
 CSA File No.  
 CSA Class No.  
 NA Certification

UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3;  
 CE marking  
 E36332  
 NLRV  
 UL report applies to both US and Canada  
 –  
 UL Listed, certified by UL for use in Canada

HPL04071EN

TM

|                                                                                     |                                                                                              |      | Flush mounting<br>Front IP65                                                      |                         |                                                                                                                                                                                     |                               | Center mounting<br>Front IP65                                                       |                                                                                                                                                                                      |  |  |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|                                                                                     |                                                                                              |      |  |                         |                                                                                                                                                                                     |                               |  |                                                                                                                                                                                      |  |  |
| Contact sequence                                                                    | Front plate no.                                                                              | Pole | Part no.<br>Article no.                                                           | Price<br>See price list | Std. pack                                                                                                                                                                           | Part no.<br>Article no.       | Price<br>See price list                                                             | Std. pack                                                                                                                                                                            |  |  |
| <b>Changeover switches without 0 (Off) position 60°</b>                             |                                                                                              |      |                                                                                   |                         |                                                                                                                                                                                     |                               |                                                                                     |                                                                                                                                                                                      |  |  |
|    | <br>F 072   | 1    | <b>TM-1-8220/E</b><br>081996                                                      |                         | 1 off<br>      | <b>TM-1-8220/EZ</b><br>000692 |                                                                                     | 1 off<br>      |  |  |
|    |                                                                                              | 2    | <b>TM-2-8221/E</b><br>084369                                                      |                         |                                                                                                                                                                                     | <b>TM-2-8221/EZ</b><br>015197 |                                                                                     |                                                                                                                                                                                      |  |  |
|    |                                                                                              | 3    | <b>TM-3-8222/E</b><br>086742                                                      |                         |                                                                                                                                                                                     | <b>TM-3-8222/EZ</b><br>045493 |                                                                                     |                                                                                                                                                                                      |  |  |
|    |                                                                                              | 4    | <b>TM-4-8223/E</b><br>089115                                                      |                         |                                                                                                                                                                                     | <b>TM-4-8223/EZ</b><br>046119 |                                                                                     |                                                                                                                                                                                      |  |  |
|    |                                                                                              | 5    | <b>TM-5-8369/E</b><br>091488                                                      |                         |                                                                                                                                                                                     | <b>TM-5-8369/EZ</b><br>046126 |                                                                                     |                                                                                                                                                                                      |  |  |
|    |                                                                                              | 6    | <b>TM-6-8370/E</b><br>093861                                                      |                         |                                                                                                                                                                                     |                               |                                                                                     |                                                                                                                                                                                      |  |  |
| <b>Changeover switches with 0 (Off) position 60°</b>                                |                                                                                              |      |                                                                                   |                         |                                                                                                                                                                                     |                               |                                                                                     |                                                                                                                                                                                      |  |  |
|  | <br>F 071 | 1    | <b>TM-1-8210/E</b><br>096234                                                      |                         | 1 off<br>  | <b>TM-1-8210/EZ</b><br>015137 |                                                                                     | 1 off<br>  |  |  |
|  |                                                                                              | 2    | <b>TM-2-8211/E</b><br>098607                                                      |                         |                                                                                                                                                                                     | <b>TM-2-8211/EZ</b><br>015166 |                                                                                     |                                                                                                                                                                                      |  |  |
|  |                                                                                              | 3    | <b>TM-3-8212/E</b><br>010807                                                      |                         |                                                                                                                                                                                     | <b>TM-3-8212/EZ</b><br>045491 |                                                                                     |                                                                                                                                                                                      |  |  |
|  |                                                                                              | 4    | <b>TM-4-8213/E</b><br>013180                                                      |                         |                                                                                                                                                                                     | <b>TM-4-8213/EZ</b><br>045847 |                                                                                     |                                                                                                                                                                                      |  |  |
| <b>Changeover switches with 0 (Off) position 90°</b>                                |                                                                                              |      |                                                                                   |                         |                                                                                                                                                                                     |                               |                                                                                     |                                                                                                                                                                                      |  |  |
|  | <br>F 057 | 2    | <b>TM-2-8219/E</b><br>017926                                                      |                         | 1 off<br>  |                               |                                                                                     |                                                                                                                                                                                      |  |  |
|  |                                                                                              | 3    | <b>TM-3-8299/E</b><br>020299                                                      |                         |                                                                                                                                                                                     |                               |                                                                                     |                                                                                                                                                                                      |  |  |
|  | <br>F 071 |      |                                                                                   |                         |                                                                                                                                                                                     |                               |                                                                                     |                                                                                                                                                                                      |  |  |

### Information relevant for export to North America



Product Standards  
UL File No.  
UL CCN  
CSA File No.  
CSA Class No.  
NA Certification

UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking  
E36332  
NLRV  
UL report applies to both US and Canada  
—  
UL Listed, certified by UL for use in Canada





| Contact sequence                                                        | Front plate no. | Pole | Flush mounting<br>Front IP65   | Center mounting<br>Front IP65  | Distribution board - mounting<br>Front IP30 | Std. pack                      |           |
|-------------------------------------------------------------------------|-----------------|------|--------------------------------|--------------------------------|---------------------------------------------|--------------------------------|-----------|
|                                                                         |                 |      | <b>Part no.</b><br>Article no. | <b>Price</b><br>See price list | <b>Part no.</b><br>Article no.              | <b>Price</b><br>See price list |           |
| <b>Manual/auto switch 60°</b>                                           |                 |      |                                |                                |                                             |                                |           |
|                                                                         |                 | 1    |                                |                                | <b>TM-1-8220F288/EZ</b><br>016925           |                                | 1 off<br> |
|                                                                         |                 | 1    | <b>TM-1-15431/E</b><br>025045  |                                | <b>TM-1-15431/EZ</b><br>000691              |                                | 1 off<br> |
|                                                                         |                 | 2    | <b>TM-2-15432/E</b><br>027418  |                                | <b>TM-2-15432/EZ</b><br>016878              |                                | 1 off<br> |
|                                                                         |                 | 3    | <b>TM-3-15433/E</b><br>029791  |                                | <b>TM-3-15433/EZ</b><br>045490              |                                | 1 off<br> |
| <b>Changeover switches with spring-return from both directions, 30°</b> |                 |      |                                |                                |                                             |                                |           |
|                                                                         |                 | 1    | <b>TM-1-8214/E</b><br>032164   |                                |                                             |                                | 1 off<br> |
|                                                                         |                 | 2    | <b>TM-2-8215/E</b><br>034537   |                                |                                             |                                | 1 off<br> |
| <b>Step switches without 0 (Off) position</b>                           |                 |      |                                |                                |                                             |                                |           |
| <b>3 steps, 60°</b>                                                     |                 |      |                                |                                |                                             |                                |           |
|                                                                         |                 | 1    | <b>TM-2-8230/E</b><br>039283   |                                | <b>TM-2-8230/EZ</b><br>000701               |                                | 1 off<br> |
|                                                                         |                 | 3    | <b>TM-5-8270/E</b><br>041656   |                                | <b>TM-5-8270/EZ</b><br>046124               |                                | 1 off<br> |
| <b>4 steps, 60°</b>                                                     |                 |      |                                |                                |                                             |                                |           |
|                                                                         |                 | 1    | <b>TM-2-8231/E</b><br>044029   |                                | <b>TM-2-8231/EZ</b><br>000700               |                                | 1 off<br> |
|                                                                         |                 | 3    | <b>TM-6-8271/E</b><br>046402   |                                | <b>TM-6-8271/EZ</b><br>046128               |                                | 1 off<br> |

## Information relevant for export to North America



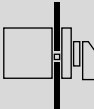
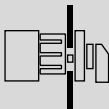
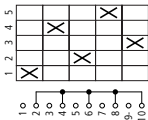
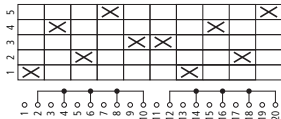
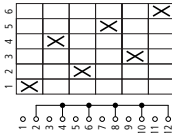
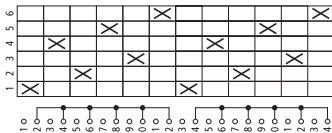
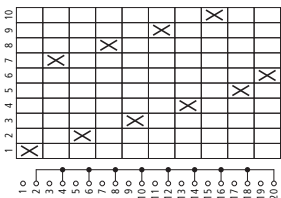
Product Standards  
UL File No.  
UL CCN  
CSA File No.  
CSA Class No.  
NA Certification

UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking  
E36332  
NLRV  
UL report applies to both US and Canada  
—  
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HPL04073EN

TM

| Contact sequence                                                                    | Front plate no.                                                                              | Pole | Part no.<br>Article no.                                                           | Price<br>See price list | Std. pack                                                                                      | Center mounting<br>Front IP65                                                       | Part no.<br>Article no. | Price<br>See price list | Std. pack                                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|-------------------------|------------------------------------------------------------------------------------------------|
|                                                                                     |                                                                                              |      |  |                         |                                                                                                |  |                         |                         |                                                                                                |
| <b>Step switches without 0 (Off) position</b>                                       |                                                                                              |      |                                                                                   |                         |                                                                                                |                                                                                     |                         |                         |                                                                                                |
| <b>5 steps, 60°</b>                                                                 |                                                                                              |      |                                                                                   |                         |                                                                                                |                                                                                     |                         |                         |                                                                                                |
|    | <br>F 078   | 1    | <b>TM-3-8232/E</b><br>039298                                                      |                         | 1 off<br>   | <b>TM-3-8232/EZ</b><br>015592                                                       |                         |                         | 1 off<br>   |
|    |                                                                                              | 2    | <b>TM-5-8252/E</b><br>041671                                                      |                         | 1 off<br>   | <b>TM-5-8252/EZ</b><br>046123                                                       |                         |                         | 1 off<br>   |
| <b>6 steps 60°, no full rotation</b>                                                |                                                                                              |      |                                                                                   |                         |                                                                                                |                                                                                     |                         |                         |                                                                                                |
|    | <br>F 079   | 1    | <b>TM-3-8233/E</b><br>053521                                                      |                         | 1 off<br>   | <b>TM-3-8233/EZ</b><br>015630                                                       |                         |                         | 1 off<br>   |
|   |                                                                                              | 2    | <b>TM-6-8253/E</b><br>055894                                                      |                         | 1 off<br>  | <b>TM-6-8253/EZ</b><br>046127                                                       |                         |                         | 1 off<br>  |
| <b>10 steps, 30°</b>                                                                |                                                                                              |      |                                                                                   |                         |                                                                                                |                                                                                     |                         |                         |                                                                                                |
|  | <br>F 011 | 1    | <b>TM-5-8237/E</b><br>069150                                                      |                         | 1 off<br> | <b>TM-5-8237/EZ</b><br>015661                                                       |                         |                         | 1 off<br> |

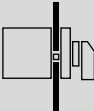
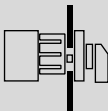
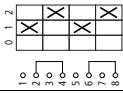
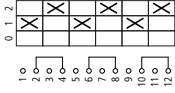
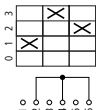
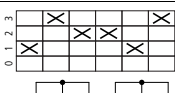
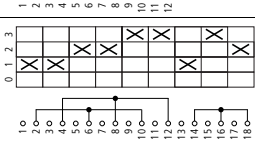
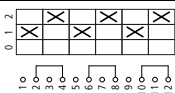
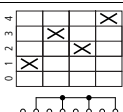
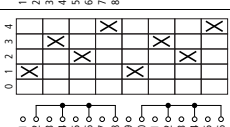
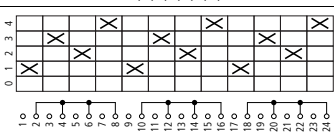
## Information relevant for export to North America



|                   |                                                         |
|-------------------|---------------------------------------------------------|
| Product Standards | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.       | E36332                                                  |
| UL CCN            | NLRV                                                    |
| CSA File No.      | UL report applies to both US and Canada                 |
| CSA Class No.     | —                                                       |
| NA Certification  | UL Listed, certified by UL for use in Canada            |





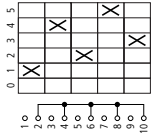
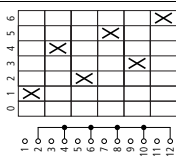
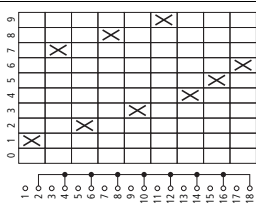
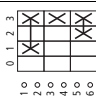
|                                                                                     |                                                                                              |      | Flush mounting<br>Front IP65                                                      |                         |                                                                                                                                                                                     | Center mounting<br>Front IP65                                                       |                         |                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                     |                                                                                              |      |  |                         |                                                                                                                                                                                     |  |                         |                                                                                                                                                                                      |
| Contact sequence                                                                    | Front plate no.                                                                              | Pole | Part no.<br>Article no.                                                           | Price<br>See price list | Std. pack                                                                                                                                                                           | Part no.<br>Article no.                                                             | Price<br>See price list | Std. pack                                                                                                                                                                            |
| <b>Step switches</b>                                                                |                                                                                              |      |                                                                                   |                         |                                                                                                                                                                                     |                                                                                     |                         |                                                                                                                                                                                      |
| With 0 (Off) position                                                               |                                                                                              |      |                                                                                   |                         |                                                                                                                                                                                     |                                                                                     |                         |                                                                                                                                                                                      |
| <b>2 steps, 60°</b>                                                                 |                                                                                              |      |                                                                                   |                         |                                                                                                                                                                                     |                                                                                     |                         |                                                                                                                                                                                      |
|    | <br>F 075   | 1    | <b>TM-1-8240/E</b><br>058267                                                      |                         | 1 off<br>      | <b>TM-1-8240/EZ</b><br>015226                                                       |                         | 1 off<br>      |
|    |                                                                                              | 2    | <b>TM-2-8260/E</b><br>060640                                                      |                         | 1 off<br>      | <b>TM-2-8260/EZ</b><br>045483                                                       |                         |                                                                                                                                                                                      |
|    |                                                                                              | 3    |                                                                                   |                         |                                                                                                                                                                                     | <b>TM-3-8280/EZ</b><br>045496                                                       |                         |                                                                                                                                                                                      |
| <b>3 steps, 45°</b>                                                                 |                                                                                              |      |                                                                                   |                         |                                                                                                                                                                                     |                                                                                     |                         |                                                                                                                                                                                      |
|    | <br>F 109   | 1    | <b>TM-2-8241/E</b><br>065386                                                      |                         | 1 off<br>      | <b>TM-2-8241/EZ</b><br>015256                                                       |                         | 1 off<br>      |
|  |                                                                                              | 2    | <b>TM-3-8261/E</b><br>067759                                                      |                         |                                                                                                                                                                                     | <b>TM-3-8261/EZ</b><br>000698                                                       |                         |                                                                                                                                                                                      |
|  |                                                                                              | 3    | <b>TM-5-8281/E</b><br>070132                                                      |                         |                                                                                                                                                                                     | <b>TM-5-8281/EZ</b><br>046125                                                       |                         |                                                                                                                                                                                      |
| <b>3 steps, 60°</b>                                                                 |                                                                                              |      |                                                                                   |                         |                                                                                                                                                                                     |                                                                                     |                         |                                                                                                                                                                                      |
|  | <br>F 075 | 3    | <b>TM-3-8280/E</b><br>063013                                                      |                         | 1 off<br>  |                                                                                     |                         |                                                                                                                                                                                      |
| <b>4 steps, 30°</b>                                                                 |                                                                                              |      |                                                                                   |                         |                                                                                                                                                                                     |                                                                                     |                         |                                                                                                                                                                                      |
|  | <br>F 002 | 1    | <b>TM-2-8242/E</b><br>072505                                                      |                         | 1 off<br>  | <b>TM-2-8242/EZ</b><br>015506                                                       |                         | 1 off<br>  |
|  |                                                                                              | 2    | <b>TM-4-8262/E</b><br>074878                                                      |                         |                                                                                                                                                                                     | <b>TM-4-8262/EZ</b><br>046120                                                       |                         | 1 off<br>  |
|  |                                                                                              | 3    | <b>TM-6-8282/E</b><br>077251                                                      |                         |                                                                                                                                                                                     |                                                                                     |                         |                                                                                                                                                                                      |

## Information relevant for export to North America



Product Standards  
UL File No.  
UL CEN  
CSA File No.  
CSA Class No.  
NA Certification

UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking  
E36332  
NLRV  
UL report applies to both US and Canada  
—  
UL Listed, certified by UL for use in Canada

|                                                                                     |                                                                                              |      | Flush mounting<br>Front IP65 |                         |                                                                                                                                                                                     | Center mounting<br>Front IP65 |                         |                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------|------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact sequence                                                                    | Front plate no.                                                                              | Pole | Part no.<br>Article no.      | Price<br>See price list | Std. pack                                                                                                                                                                           | Part no.<br>Article no.       | Price<br>See price list | Std. pack                                                                                                                                                                            |
| <b>Step switches</b>                                                                |                                                                                              |      |                              |                         |                                                                                                                                                                                     |                               |                         |                                                                                                                                                                                      |
| With 0 (Off) position                                                               |                                                                                              |      |                              |                         |                                                                                                                                                                                     |                               |                         |                                                                                                                                                                                      |
| <b>5 steps, 30°</b>                                                                 |                                                                                              |      |                              |                         |                                                                                                                                                                                     |                               |                         |                                                                                                                                                                                      |
|    | <br>F 003   | 1    | <b>TM-3-8243/E</b><br>079624 |                         | 1 off<br>      | <b>TM-3-8243/EZ</b><br>015537 |                         | 1 off<br>      |
| <b>6 steps, 30°</b>                                                                 |                                                                                              |      |                              |                         |                                                                                                                                                                                     |                               |                         |                                                                                                                                                                                      |
|    | <br>F 004   | 1    | <b>TM-3-8244/E</b><br>081997 |                         | 1 off<br>      | <b>TM-3-8244/EZ</b><br>045495 |                         | 1 off<br>      |
| <b>9 steps, 30°</b>                                                                 |                                                                                              |      |                              |                         |                                                                                                                                                                                     |                               |                         |                                                                                                                                                                                      |
|   | <br>F 007   | 1    | <b>TM-5-8247/E</b><br>009741 |                         | 1 off<br>      | <b>TM-5-8247/EZ</b><br>015565 |                         | 1 off<br>      |
| <b>Group switches</b>                                                               |                                                                                              |      |                              |                         |                                                                                                                                                                                     |                               |                         |                                                                                                                                                                                      |
| <b>2 groups, 60°</b>                                                                |                                                                                              |      |                              |                         |                                                                                                                                                                                     |                               |                         |                                                                                                                                                                                      |
|  | <br>F 075 | 1    | <b>TM-1-8310/E</b><br>084370 |                         | 1 off<br>  | <b>TM-1-8310/EZ</b><br>045479 |                         | 1 off<br>  |
| <b>3 groups, 30°</b>                                                                |                                                                                              |      |                              |                         |                                                                                                                                                                                     |                               |                         |                                                                                                                                                                                      |
|  | <br>F 001 | 1    |                              |                         |                                                                                                                                                                                     | <b>TM-2-8311/EZ</b><br>045487 |                         | 1 off<br>  |
| <b>ON OFF switches</b>                                                              |                                                                                              |      |                              |                         |                                                                                                                                                                                     |                               |                         |                                                                                                                                                                                      |
| <b>ON switch 30°</b>                                                                |                                                                                              |      |                              |                         |                                                                                                                                                                                     |                               |                         |                                                                                                                                                                                      |
|  | <br>F 023 | 1    |                              |                         |                                                                                                                                                                                     | <b>TM-1-8175/EZ</b><br>015690 |                         | 1 off<br>  |
| <b>ON OFF switches 90°/30°</b><br>With spring-return from start to 1                |                                                                                              |      |                              |                         |                                                                                                                                                                                     |                               |                         |                                                                                                                                                                                      |
|  | <br>F 119 | 1    | <b>TM-1-8178/E</b><br>098608 |                         | 1 off<br>  | <b>TM-1-8178/EZ</b><br>016786 |                         | 1 off<br>  |

## Information relevant for export to North America

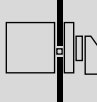
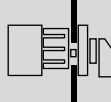
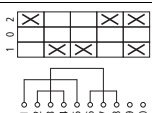
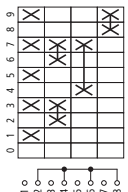
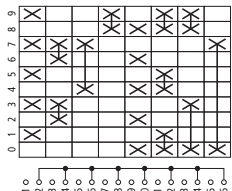


Product Standards  
UL File No.  
UL CCN  
CSA File No.  
CSA Class No.  
NA Certification

UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking  
E36332  
NLRV  
UL report applies to both US and Canada  
—  
UL Listed, certified by UL for use in Canada





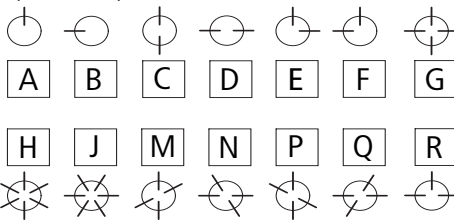
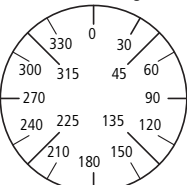
|                                                                                    |                                                                                            |      | Flush mounting<br>Front IP65                                                      |                         |                                                                                             | Center mounting<br>Front IP65                                                       |                         |                                                                                              |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------|
|                                                                                    |                                                                                            |      |  |                         |                                                                                             |  |                         |                                                                                              |
| Contact sequence                                                                   | Front plate no.                                                                            | Pole | Part no.<br>Article no.                                                           | Price<br>See price list | Std. pack                                                                                   | Part no.<br>Article no.                                                             | Price<br>See price list | Std. pack                                                                                    |
| <b>Reversing switches, 60°</b>                                                     |                                                                                            |      |                                                                                   |                         |                                                                                             |                                                                                     |                         |                                                                                              |
|   | <br>F 071 | 3    | <b>TM-3-8401/E</b><br>015554                                                      |                         | 1 off<br> |                                                                                     |                         |                                                                                              |
| <b>Coding switches</b>                                                             |                                                                                            |      |                                                                                   |                         |                                                                                             |                                                                                     |                         |                                                                                              |
| <b>BCD code 0-9, 30°</b>                                                           |                                                                                            |      |                                                                                   |                         |                                                                                             |                                                                                     |                         |                                                                                              |
|   | <br>F 007 | 1    | <b>TM-2-8550/E</b><br>020300                                                      |                         | 1 off<br> | <b>TM-2-8550/EZ</b><br>000699                                                       |                         | 1 off<br> |
| <b>BCD code 0-9 + complement, 30°</b>                                              |                                                                                            |      |                                                                                   |                         |                                                                                             |                                                                                     |                         |                                                                                              |
|  | <br>F 007 | 1    | <b>TM-4-8552/E</b><br>025046                                                      |                         | 1 off<br> |                                                                                     |                         |                                                                                              |

## Information relevant for export to North America



|                   |                                                         |
|-------------------|---------------------------------------------------------|
| Product Standards | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.       | E36332                                                  |
| UL CCN            | NLRV                                                    |
| CSA File No.      | UL report applies to both US and Canada                 |
| CSA Class No.     | –                                                       |
| NA Certification  | UL Listed, certified by UL for use in Canada            |

HPL04077EN

|                                                                        | For mounting form EZ<br>With two keys<br>When ordering with basic unit |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                        | Part no.<br>Article no.                                                | Price<br>See price<br>list | Std. pack | Notes                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Key operated lock mechanism</b>                                     |                                                                        |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>KABA lock 90° switch angle</b>                                      |                                                                        |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Protection type IP65<br>With two keys<br>When ordering with basic unit |                                                                        |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 0°                                                                     | +EZ/S-A<br>045458                                                      |                            | 1 off     | Key operation lock mechanism, incl. 2 keys.<br>The key can only be removed in certain positions; see diagram below. The KABA lock for 90° can be used for other switching angles as well if the key withdrawability characteristics match the type of switch.<br>Example: +EZ/S-B can be used with a step switch with a switching angle of 30° if the key is only to be withdrawable in the 0 position at 270°. |
| 270°                                                                   | +EZ/S-B<br>045459                                                      |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 270 + 0°                                                               | +EZ/S-F<br>045463                                                      |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RONIS lock 60° switching angle</b>                                  |                                                                        |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Protection type IP55<br>With two keys<br>When ordering with basic unit |                                                                        |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 270 + 90°                                                              | +EZ/S-D<br>045461                                                      |                            | 1 off     | <b>Options for key withdrawal</b><br><br><b>Position marking as in example</b><br>                                                                                                                                                         |
| 300 + 0 + 60 + 120 + 180 + 240°                                        | +EZ/S-H<br>045465                                                      |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 270 + 330 + 30 + 90 + 150 + 210°                                       | +EZ/S-J<br>045466                                                      |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 270 + 330 + 90 + 150°                                                  | +EZ/S-N<br>045468                                                      |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                 |



| Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Dimensions<br>(W x H x D)<br>mm | For use with        | Part no.<br>Article no.          | Price<br>See price<br>list | Std. pack                                                                                                                                                                     | Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------|----------------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Front plates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                     |                                  |                            |                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Blank plate<br>Can be engraved                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |                     |                                  |                            |                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| TM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 29 x 29                         | (for frame 30 x 30) | FS980-TM-E<br>071438             |                            | 10 off<br>  | Standard front plates for separate order<br>For standard switches the normal front plate can be replaced if required with the front plate shown here.<br>This is provided the switching angle, number of positions and the position of the 0 position are the same.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| TM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 29 x 29                         | (for frame 30 x 30) | FS980-TM-EZ<br>073811            |                            | 50 off<br>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Standard front plates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |                     |                                  |                            |                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| TM.../E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 29 x 29                         | (for frame 30 x 30) | TM/E-FRONTSCILD-NR(*)<br>239021  |                            | 1 off<br>   | Switching angles 30°<br> F023  F024  F025  F039  F053  F258  F259  F708<br> F001  F002  F003  F004  F005  F006  F007  F011 |
| TM.../EZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 29 x 29                         | (for frame 30 x 30) | TM/EZ-FRONTSCILD-NR(*)<br>239022 |                            | 1 off<br>   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Switching angle 45°<br> F215  F216  F738  F109  F115  F330  F105  F113<br> F293  F741  F106  F110  F785  F788  F111  F322                                 |                                 |                     |                                  |                            |                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Switching angle 60°<br> F072  F234  F288  F071  F073  F075  F076  F085<br> F249  F373  F732  F077  F102  F078  F079  F121         |                                 |                     |                                  |                            |                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Switching angle 90°<br> F056  F063  F068  F700  F743  F057  F209  F719<br> F059  F060  F062  F206  F718  F437  F119  F990 |                                 |                     |                                  |                            |                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Information relevant for export to North America



UL/CSA certification not required

|                 | Part no.                           | Article no. | Price<br>See price list | Part no.                      | Article no. | Price<br>See price list | Std. pack                                                                                                                                                                        |
|-----------------|------------------------------------|-------------|-------------------------|-------------------------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T0 cam switches | T0-1-SOND*/E <sup>1)</sup>         | 907765      |                         | T0-5-SOND*/E <sup>1)</sup>    | 907769      |                         | 1 off<br>  |
|                 | T0-1-SOND*/EA/SVB <sup>2)</sup>    | 907776      |                         | T0-5-SOND*/EZ <sup>3)</sup>   | 907791      |                         |                                                                                                                                                                                  |
|                 | T0-1-SOND*/EA/SVB-SW <sup>2)</sup> | 908043      |                         | T0-5-SOND*/IVS <sup>4)</sup>  | 907810      |                         |                                                                                                                                                                                  |
|                 | T0-1-SOND*/EZ <sup>3)</sup>        | 907787      |                         | T0-5-SOND*/Z <sup>2)</sup>    | 907843      |                         |                                                                                                                                                                                  |
|                 | T0-1-SOND*/I1                      | 207480      |                         |                               |             |                         |                                                                                                                                                                                  |
|                 | T0-1-SOND*/I1/SVB                  | 207481      |                         | T0-6-SOND*/E <sup>1)</sup>    | 907770      |                         |                                                                                                                                                                                  |
|                 | T0-1-SOND*/I1/SVB-SW               | 207482      |                         | T0-6-SOND*/EZ <sup>3)</sup>   | 907792      |                         |                                                                                                                                                                                  |
|                 | T0-1-SOND*/IVS <sup>4)</sup>       | 907806      |                         | T0-6-SOND*/IVS <sup>4)</sup>  | 907811      |                         |                                                                                                                                                                                  |
|                 | T0-1-SOND*/V/SVB <sup>2)</sup>     | 907817      |                         | T0-6-SOND*/Z <sup>2)</sup>    | 907844      |                         |                                                                                                                                                                                  |
|                 | T0-1-SOND*/V/SVB-SW <sup>2)</sup>  | 908054      |                         |                               |             |                         |                                                                                                                                                                                  |
|                 | T0-1-SOND*/Z <sup>2)</sup>         | 907839      |                         | T0-7-SOND*/E <sup>1)</sup>    | 907771      |                         |                                                                                                                                                                                  |
|                 |                                    |             |                         | T0-7-SOND*/EZ <sup>3)</sup>   | 907793      |                         |                                                                                                                                                                                  |
|                 | T0-2-SOND*/E <sup>1)</sup>         | 907766      |                         | T0-7-SOND*/IVS <sup>4)</sup>  | 907812      |                         |                                                                                                                                                                                  |
|                 | T0-2-SOND*/EA/SVB <sup>2)</sup>    | 907777      |                         | T0-7-SOND*/Z <sup>2)</sup>    | 907845      |                         |                                                                                                                                                                                  |
|                 | T0-2-SOND*/EA/SVB-SW <sup>2)</sup> | 908044      |                         |                               |             |                         |                                                                                                                                                                                  |
|                 | T0-2-SOND*/EZ <sup>3)</sup>        | 907788      |                         | T0-8-SOND*/E <sup>1)</sup>    | 907772      |                         |                                                                                                                                                                                  |
|                 | T0-2-SOND*/I1                      | 207483      |                         | T0-8-SOND*/EZ <sup>3)</sup>   | 907794      |                         |                                                                                                                                                                                  |
|                 | T0-2-SOND*/I1/SVB                  | 207484      |                         | T0-8-SOND*/IVS <sup>4)</sup>  | 907813      |                         |                                                                                                                                                                                  |
|                 | T0-2-SOND*/I1/SVB-SW               | 207485      |                         | T0-8-SOND*/Z <sup>2)</sup>    | 907846      |                         |                                                                                                                                                                                  |
|                 | T0-2-SOND*/IVS <sup>4)</sup>       | 907807      |                         |                               |             |                         |                                                                                                                                                                                  |
|                 | T0-2-SOND*/V/SVB <sup>2)</sup>     | 907818      |                         | T0-9-SOND*/E <sup>1)</sup>    | 907773      |                         |                                                                                                                                                                                  |
|                 | T0-2-SOND*/V/SVB-SW <sup>2)</sup>  | 908055      |                         | T0-9-SOND*/EZ <sup>3)</sup>   | 907795      |                         |                                                                                                                                                                                  |
|                 | T0-2-SOND*/Z <sup>2)</sup>         | 907840      |                         | T0-9-SOND*/IVS <sup>4)</sup>  | 907814      |                         |                                                                                                                                                                                  |
|                 |                                    |             |                         | T0-9-SOND*/Z <sup>2)</sup>    | 907847      |                         |                                                                                                                                                                                  |
|                 | T0-3-SOND*/E <sup>1)</sup>         | 907767      |                         |                               |             |                         |                                                                                                                                                                                  |
|                 | T0-3-SOND*/EA/SVB <sup>2)</sup>    | 907778      |                         | T0-10-SOND*/E <sup>1)</sup>   | 907774      |                         |                                                                                                                                                                                  |
|                 | T0-3-SOND*/EA/SVB-SW <sup>2)</sup> | 908045      |                         | T0-10-SOND*/EZ <sup>3)</sup>  | 907796      |                         |                                                                                                                                                                                  |
|                 | T0-3-SOND*/EZ <sup>3)</sup>        | 907789      |                         | T0-10-SOND*/IVS <sup>4)</sup> | 907815      |                         |                                                                                                                                                                                  |
|                 | T0-3-SOND*/I1                      | 207486      |                         | T0-10-SOND*/Z <sup>2)</sup>   | 907848      |                         |                                                                                                                                                                                  |
|                 | T0-3-SOND*/I1/SVB                  | 207487      |                         |                               |             |                         |                                                                                                                                                                                  |
|                 | T0-3-SOND*/I1/SVB-SW               | 207488      |                         | T0-11-SOND*/E <sup>1)</sup>   | 907775      |                         |                                                                                                                                                                                  |
|                 | T0-3-SOND*/IVS <sup>4)</sup>       | 907808      |                         | T0-11-SOND*/EZ <sup>3)</sup>  | 907797      |                         |                                                                                                                                                                                  |
|                 | T0-3-SOND*/V/SVB <sup>2)</sup>     | 907819      |                         | T0-11-SOND*/IVS <sup>4)</sup> | 907816      |                         |                                                                                                                                                                                  |
|                 | T0-3-SOND*/V/SVB-SW <sup>2)</sup>  | 908056      |                         | T0-11-SOND*/Z <sup>2)</sup>   | 907849      |                         |                                                                                                                                                                                  |
|                 | T0-3-SOND*/Z <sup>2)</sup>         | 907841      |                         |                               |             |                         |                                                                                                                                                                                  |
|                 |                                    |             |                         |                               |             |                         |                                                                                                                                                                                  |
|                 | T0-4-SOND*/E <sup>1)</sup>         | 907768      |                         |                               |             |                         |                                                                                                                                                                                  |
|                 | T0-4-SOND*/EA/SVB <sup>2)</sup>    | 907779      |                         |                               |             |                         |                                                                                                                                                                                  |
|                 | T0-4-SOND*/EA/SVB-SW <sup>2)</sup> | 908046      |                         |                               |             |                         |                                                                                                                                                                                  |
|                 | T0-4-SOND*/EZ <sup>3)</sup>        | 907790      |                         |                               |             |                         |                                                                                                                                                                                  |
|                 | T0-4-SOND*/I1                      | 207489      |                         |                               |             |                         |                                                                                                                                                                                  |
|                 | T0-4-SOND*/I1/SVB                  | 207490      |                         |                               |             |                         |                                                                                                                                                                                  |
|                 | T0-4-SOND*/I1/SVB-SW               | 207491      |                         |                               |             |                         |                                                                                                                                                                                  |
|                 | T0-4-SOND*/IVS <sup>4)</sup>       | 907809      |                         |                               |             |                         |                                                                                                                                                                                  |
|                 | T0-4-SOND*/V/SVB <sup>2)</sup>     | 907820      |                         |                               |             |                         |                                                                                                                                                                                  |
|                 | T0-4-SOND*/V/SVB-SW <sup>2)</sup>  | 908057      |                         |                               |             |                         |                                                                                                                                                                                  |
|                 | T0-4-SOND*/Z <sup>2)</sup>         | 907842      |                         |                               |             |                         |                                                                                                                                                                                  |

## Notes

The prices apply to T cam switches with non-standard contact sequences.

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When placing repeat orders, specify the contact sequence number together with the country identifier (e.g. 4711D).

## Information relevant for export to North America



1)

Product Standards UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking  
 UL File No. E36332  
 UL CCN NLRV  
 CSA File No. 12528  
 CSA Class No. 3211-05  
 NA Certification UL Listed, CSA certified  
 Degree of Protection IEC: IP65; UL/CSA Type 3R, 12

3)

Product Standards UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking  
 UL File No. E36332  
 UL CCN NLRV  
 CSA File No. 12528  
 CSA Class No. 3211-05  
 NA Certification UL Listed, CSA certified  
 Degree of Protection IEC: IP65; UL/CSA Type: -

2)

Product Standards UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking  
 UL File No. E36332  
 UL CCN NLRV  
 CSA File No. 12528  
 CSA Class No. 3211-05  
 NA Certification UL Listed, CSA certified

4)

Product Standards UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking  
 UL File No. E36332  
 UL CCN NLRV  
 CSA File No. 12528  
 CSA Class No. 3211-05  
 NA Certification UL Listed, CSA certified  
 Degree of Protection IEC: IP30; UL/CSA Type: -







|                        | Part no.                                 | Article no. | Price<br>See price list | Part no.                                 | Article no. | Price<br>See price list | Std. pack                                                                                                                                                                        |
|------------------------|------------------------------------------|-------------|-------------------------|------------------------------------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>T3 cam switches</b> |                                          |             |                         |                                          |             |                         |                                                                                                                                                                                  |
|                        | <b>T3-1-SOND*/E<sup>1)</sup></b>         | 907850      |                         | <b>T3-5-SOND*/E<sup>1)</sup></b>         | 907854      |                         | 1 off<br>  |
|                        | <b>T3-1-SOND*/EA/SVB<sup>1)</sup></b>    | 907861      |                         | <b>T3-5-SOND*/EA/SVB<sup>1)</sup></b>    | 907865      |                         |                                                                                                                                                                                  |
|                        | <b>T3-1-SOND*/EA/SVB-SW<sup>1)</sup></b> | 908080      |                         | <b>T3-5-SOND*/EA/SVB-SW<sup>1)</sup></b> | 908084      |                         |                                                                                                                                                                                  |
|                        | <b>T3-1-SOND*/EZ<sup>1)</sup></b>        | 907872      |                         | <b>T3-5-SOND*/EZ<sup>1)</sup></b>        | 907876      |                         |                                                                                                                                                                                  |
|                        | <b>T3-1-SOND*/I2<sup>2)</sup></b>        | 207492      |                         | <b>T3-5-SOND*/I2<sup>2)</sup></b>        | 207504      |                         |                                                                                                                                                                                  |
|                        | <b>T3-1-SOND*/I2/SVB<sup>2)</sup></b>    | 207493      |                         | <b>T3-5-SOND*/I2/SVB<sup>2)</sup></b>    | 207506      |                         |                                                                                                                                                                                  |
|                        | <b>T3-1-SOND*/I2/SVB-SW<sup>2)</sup></b> | 207494      |                         | <b>T3-5-SOND*/I2/SVB-SW<sup>2)</sup></b> | 207507      |                         |                                                                                                                                                                                  |
|                        | <b>T3-1-SOND*/N/SVB<sup>1)</sup></b>     | 907891      |                         | <b>T3-5-SOND*/N/SVB<sup>1)</sup></b>     | 907895      |                         |                                                                                                                                                                                  |
|                        | <b>T3-1-SOND*/N/SVB-SW<sup>1)</sup></b>  | 908091      |                         | <b>T3-5-SOND*/N/SVB-SW<sup>1)</sup></b>  | 908095      |                         |                                                                                                                                                                                  |
|                        | <b>T3-1-SOND*/Z<sup>1)</sup></b>         | 907913      |                         | <b>T3-5-SOND*/Z<sup>1)</sup></b>         | 907917      |                         |                                                                                                                                                                                  |
|                        |                                          |             |                         |                                          |             |                         |                                                                                                                                                                                  |
|                        | <b>T3-2-SOND*/E<sup>1)</sup></b>         | 907851      |                         | <b>T3-6-SOND*/E<sup>1)</sup></b>         | 907855      |                         |                                                                                                                                                                                  |
|                        | <b>T3-2-SOND*/EA/SVB<sup>1)</sup></b>    | 907862      |                         | <b>T3-6-SOND*/EA/SVB<sup>1)</sup></b>    | 907866      |                         |                                                                                                                                                                                  |
|                        | <b>T3-2-SOND*/EA/SVB-SW<sup>1)</sup></b> | 908081      |                         | <b>T3-6-SOND*/EA/SVB-SW<sup>1)</sup></b> | 908085      |                         |                                                                                                                                                                                  |
|                        | <b>T3-2-SOND*/EZ<sup>1)</sup></b>        | 907873      |                         | <b>T3-6-SOND*/EZ<sup>1)</sup></b>        | 907877      |                         |                                                                                                                                                                                  |
|                        | <b>T3-2-SOND*/I2<sup>2)</sup></b>        | 207495      |                         | <b>T3-6-SOND*/N/SVB<sup>1)</sup></b>     | 907896      |                         |                                                                                                                                                                                  |
|                        | <b>T3-2-SOND*/I2/SVB<sup>2)</sup></b>    | 207496      |                         | <b>T3-6-SOND*/N/SVB-SW<sup>1)</sup></b>  | 908096      |                         |                                                                                                                                                                                  |
|                        | <b>T3-2-SOND*/I2/SVB-SW<sup>2)</sup></b> | 207497      |                         | <b>T3-6-SOND*/Z<sup>1)</sup></b>         | 907918      |                         |                                                                                                                                                                                  |
|                        | <b>T3-2-SOND*/N/SVB<sup>1)</sup></b>     | 907892      |                         |                                          |             |                         |                                                                                                                                                                                  |
|                        | <b>T3-2-SOND*/N/SVB-SW<sup>1)</sup></b>  | 908092      |                         | <b>T3-7-SOND*/E<sup>1)</sup></b>         | 907856      |                         |                                                                                                                                                                                  |
|                        | <b>T3-2-SOND*/Z<sup>1)</sup></b>         | 907914      |                         | <b>T3-7-SOND*/EZ<sup>1)</sup></b>        | 907878      |                         |                                                                                                                                                                                  |
|                        |                                          |             |                         | <b>T3-7-SOND*/Z<sup>1)</sup></b>         | 907919      |                         |                                                                                                                                                                                  |
|                        |                                          |             |                         |                                          |             |                         |                                                                                                                                                                                  |
|                        | <b>T3-3-SOND*/E<sup>1)</sup></b>         | 907852      |                         | <b>T3-8-SOND*/E<sup>1)</sup></b>         | 907857      |                         |                                                                                                                                                                                  |
|                        | <b>T3-3-SOND*/EA/SVB<sup>1)</sup></b>    | 907863      |                         | <b>T3-8-SOND*/EZ<sup>1)</sup></b>        | 907879      |                         |                                                                                                                                                                                  |
|                        | <b>T3-3-SOND*/EA/SVB-SW<sup>1)</sup></b> | 908082      |                         | <b>T3-8-SOND*/Z<sup>1)</sup></b>         | 907920      |                         |                                                                                                                                                                                  |
|                        | <b>T3-3-SOND*/EZ<sup>1)</sup></b>        | 907874      |                         |                                          |             |                         |                                                                                                                                                                                  |
|                        | <b>T3-3-SOND*/I2<sup>2)</sup></b>        | 207498      |                         | <b>T3-9-SOND*/E<sup>1)</sup></b>         | 907858      |                         |                                                                                                                                                                                  |
|                        | <b>T3-3-SOND*/I2/SVB<sup>2)</sup></b>    | 207499      |                         | <b>T3-9-SOND*/EZ<sup>1)</sup></b>        | 907880      |                         |                                                                                                                                                                                  |
|                        | <b>T3-3-SOND*/I2/SVB-SW<sup>2)</sup></b> | 207500      |                         | <b>T3-9-SOND*/Z<sup>1)</sup></b>         | 907921      |                         |                                                                                                                                                                                  |
|                        | <b>T3-3-SOND*/N/SVB<sup>1)</sup></b>     | 907893      |                         |                                          |             |                         |                                                                                                                                                                                  |
|                        | <b>T3-3-SOND*/N/SVB-SW<sup>1)</sup></b>  | 908093      |                         | <b>T3-10-SOND*/E<sup>1)</sup></b>        | 907859      |                         |                                                                                                                                                                                  |
|                        | <b>T3-3-SOND*/Z<sup>1)</sup></b>         | 907915      |                         | <b>T3-10-SOND*/EZ<sup>1)</sup></b>       | 907881      |                         |                                                                                                                                                                                  |
|                        |                                          |             |                         | <b>T3-10-SOND*/Z<sup>1)</sup></b>        | 907922      |                         |                                                                                                                                                                                  |
|                        |                                          |             |                         |                                          |             |                         |                                                                                                                                                                                  |
|                        | <b>T3-4-SOND*/E<sup>1)</sup></b>         | 907853      |                         | <b>T3-11-SOND*/E<sup>1)</sup></b>        | 907860      |                         |                                                                                                                                                                                  |
|                        | <b>T3-4-SOND*/EA/SVB<sup>1)</sup></b>    | 907864      |                         | <b>T3-11-SOND*/EZ<sup>1)</sup></b>       | 907882      |                         |                                                                                                                                                                                  |
|                        | <b>T3-4-SOND*/EA/SVB-SW<sup>1)</sup></b> | 908083      |                         | <b>T3-11-SOND*/Z<sup>1)</sup></b>        | 907923      |                         |                                                                                                                                                                                  |
|                        | <b>T3-4-SOND*/EZ<sup>1)</sup></b>        | 907875      |                         |                                          |             |                         |                                                                                                                                                                                  |
|                        | <b>T3-4-SOND*/I2<sup>2)</sup></b>        | 207501      |                         |                                          |             |                         |                                                                                                                                                                                  |
|                        | <b>T3-4-SOND*/I2/SVB<sup>2)</sup></b>    | 207502      |                         |                                          |             |                         |                                                                                                                                                                                  |
|                        | <b>T3-4-SOND*/I2/SVB-SW<sup>2)</sup></b> | 207503      |                         |                                          |             |                         |                                                                                                                                                                                  |
|                        | <b>T3-4-SOND*/N/SVB<sup>1)</sup></b>     | 907894      |                         |                                          |             |                         |                                                                                                                                                                                  |
|                        | <b>T3-4-SOND*/N/SVB-SW<sup>1)</sup></b>  | 908094      |                         |                                          |             |                         |                                                                                                                                                                                  |
|                        | <b>T3-4-SOND*/Z<sup>1)</sup></b>         | 907916      |                         |                                          |             |                         |                                                                                                                                                                                  |

**Notes**

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**Information relevant for export to North America**

1)

|                   |                                                         |
|-------------------|---------------------------------------------------------|
| Product Standards | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.       | E36332                                                  |
| UL CCN            | NLRV                                                    |
| CSA File No.      | 12528                                                   |
| CSA Class No.     | 3211-05                                                 |
| NA Certification  | UL Listed, CSA certified                                |

2)

|                      |                                                                           |
|----------------------|---------------------------------------------------------------------------|
| Product Standards    | UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking |
| UL File No.          | E36332                                                                    |
| UL CCN               | NLRV                                                                      |
| CSA File No.         | 12528                                                                     |
| CSA Class No.        | 3211-05                                                                   |
| NA Certification     | UL Listed, CSA certified                                                  |
| Degree of Protection | IEC: IP65; UL/CSA Type 3R, 12                                             |

|                  | Part no.              | Article no. | Price<br>See price list | Part no.              | Article no. | Price<br>See price list | Std. pack                                                                                                                                                                        |
|------------------|-----------------------|-------------|-------------------------|-----------------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T5B cam switches | T5B-1-SOND*/E         | 907924      |                         | T5B-5-SOND*/E         | 907928      |                         | 1 off<br>  |
|                  | T5B-1-SOND*/EA/SVB    | 907934      |                         | T5B-5-SOND*/EA/SVB    | 907938      |                         |                                                                                                                                                                                  |
|                  | T5B-1-SOND*/EA/SVB-SW | 908106      |                         | T5B-5-SOND*/EA/SVB-SW | 908110      |                         |                                                                                                                                                                                  |
|                  | T5B-1-SOND*/I4        | 207510      |                         | T5B-5-SOND*/V/SVB     | 907954      |                         |                                                                                                                                                                                  |
|                  | T5B-1-SOND*/I4/SVB    | 207511      |                         | T5B-5-SOND*/V/SVB-SW  | 908118      |                         |                                                                                                                                                                                  |
|                  | T5B-1-SOND*/I4/SVB-SW | 207512      |                         | T5B-5-SOND*/Z         | 907972      |                         |                                                                                                                                                                                  |
|                  | T5B-1-SOND*/V/SVB     | 907950      |                         |                       |             |                         |                                                                                                                                                                                  |
|                  | T5B-1-SOND*/V/SVB-SW  | 908114      |                         | T5B-6-SOND*/E         | 907929      |                         |                                                                                                                                                                                  |
|                  | T5B-1-SOND*/Z         | 907968      |                         | T5B-6-SOND*/EA/SVB    | 907939      |                         |                                                                                                                                                                                  |
|                  |                       |             |                         | T5B-6-SOND*/EA/SVB-SW | 908111      |                         |                                                                                                                                                                                  |
|                  | T5B-2-SOND*/E         | 907925      |                         | T5B-6-SOND*/V/SVB     | 907955      |                         |                                                                                                                                                                                  |
|                  | T5B-2-SOND*/EA/SVB    | 907935      |                         | T5B-6-SOND*/V/SVB-SW  | 908119      |                         |                                                                                                                                                                                  |
|                  | T5B-2-SOND*/EA/SVB-SW | 908107      |                         | T5B-6-SOND*/Z         | 907973      |                         |                                                                                                                                                                                  |
|                  | T5B-2-SOND*/I4        | 207514      |                         |                       |             |                         |                                                                                                                                                                                  |
|                  | T5B-2-SOND*/I4/SVB    | 207515      |                         | T5B-7-SOND*/E         | 907930      |                         |                                                                                                                                                                                  |
|                  | T5B-2-SOND*/I4/SVB-SW | 207516      |                         | T5B-7-SOND*/EA/SVB    | 907940      |                         |                                                                                                                                                                                  |
|                  | T5B-2-SOND*/V/SVB     | 907951      |                         | T5B-7-SOND*/EA/SVB-SW | 908112      |                         |                                                                                                                                                                                  |
|                  | T5B-2-SOND*/V/SVB-SW  | 908115      |                         | T5B-7-SOND*/V/SVB     | 907956      |                         |                                                                                                                                                                                  |
|                  | T5B-2-SOND*/Z         | 907969      |                         | T5B-7-SOND*/V/SVB-SW  | 908120      |                         |                                                                                                                                                                                  |
|                  |                       |             |                         | T5B-7-SOND*/Z         | 907974      |                         |                                                                                                                                                                                  |
|                  | T5B-3-SOND*/E         | 907926      |                         |                       |             |                         |                                                                                                                                                                                  |
|                  | T5B-3-SOND*/EA/SVB    | 907936      |                         | T5B-8-SOND*/E         | 907931      |                         |                                                                                                                                                                                  |
|                  | T5B-3-SOND*/EA/SVB-SW | 908108      |                         | T5B-8-SOND*/EA/SVB    | 907941      |                         |                                                                                                                                                                                  |
|                  | T5B-3-SOND*/I4        | 207518      |                         | T5B-8-SOND*/EA/SVB-SW | 908113      |                         |                                                                                                                                                                                  |
|                  | T5B-3-SOND*/I4/SVB    | 207519      |                         | T5B-8-SOND*/V/SVB     | 907957      |                         |                                                                                                                                                                                  |
|                  | T5B-3-SOND*/I4/SVB-SW | 207520      |                         | T5B-8-SOND*/V/SVB-SW  | 908121      |                         |                                                                                                                                                                                  |
|                  | T5B-3-SOND*/V/SVB     | 907952      |                         | T5B-8-SOND*/Z         | 907975      |                         |                                                                                                                                                                                  |
|                  | T5B-3-SOND*/V/SVB-SW  | 908116      |                         |                       |             |                         |                                                                                                                                                                                  |
|                  | T5B-3-SOND*/Z         | 907970      |                         | T5B-9-SOND*/E         | 907932      |                         |                                                                                                                                                                                  |
|                  |                       |             |                         | T5B-9-SOND*/Z         | 907976      |                         |                                                                                                                                                                                  |
|                  | T5B-4-SOND*/E         | 907927      |                         |                       |             |                         |                                                                                                                                                                                  |
|                  | T5B-4-SOND*/EA/SVB    | 907937      |                         | T5B-10-SOND*/E        | 907933      |                         |                                                                                                                                                                                  |
|                  | T5B-4-SOND*/EA/SVB-SW | 908109      |                         | T5B-10-SOND*/Z        | 907977      |                         |                                                                                                                                                                                  |
|                  | T5B-4-SOND*/I4        | 207521      |                         |                       |             |                         |                                                                                                                                                                                  |
|                  | T5B-4-SOND*/I4/SVB    | 207522      |                         |                       |             |                         |                                                                                                                                                                                  |
|                  | T5B-4-SOND*/I4/SVB-SW | 207523      |                         |                       |             |                         |                                                                                                                                                                                  |
|                  | T5B-4-SOND*/V/SVB     | 907953      |                         |                       |             |                         |                                                                                                                                                                                  |
|                  | T5B-4-SOND*/V/SVB-SW  | 908117      |                         |                       |             |                         |                                                                                                                                                                                  |
|                  | T5B-4-SOND*/Z         | 907971      |                         |                       |             |                         |                                                                                                                                                                                  |

## Notes

The prices apply to T cam switches with non-standard contact sequences.  
Please use the "Ordering Non-Standard Contact Sequences" order form when ordering for the first time.  
When placing repeat orders, specify the contact sequence number together with the country identifier (e.g. 4711D).

## Information relevant for export to North America



Product Standards UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking  
UL File No. E36332  
UL CCN NLRV7  
CSA File No. 12528  
CSA Class No. 3211-05  
NA Certification UL Listed, CSA certified





|                        | Part no.                    | Article no. | Price<br>See price list | Part no.                    | Article no. | Price<br>See price list | Std. pack                                                                                                                                                                        |
|------------------------|-----------------------------|-------------|-------------------------|-----------------------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>T5 cam switches</b> |                             |             |                         |                             |             |                         |                                                                                                                                                                                  |
|                        | <b>T5-1-SOND*/E</b>         | 907978      |                         | <b>T5-5-SOND*/E</b>         | 907982      |                         | 1 off<br>  |
|                        | <b>T5-1-SOND*/EA/SVB</b>    | 908031      |                         | <b>T5-5-SOND*/EA/SVB</b>    | 907991      |                         |                                                                                                                                                                                  |
|                        | <b>T5-1-SOND*/EA/SVB-SW</b> | 908126      |                         | <b>T5-5-SOND*/EA/SVB-SW</b> | 908130      |                         |                                                                                                                                                                                  |
|                        | <b>T5-1-SOND*/I5</b>        | 207524      |                         | <b>T5-5-SOND*/V/SVB</b>     | 908007      |                         |                                                                                                                                                                                  |
|                        | <b>T5-1-SOND*/I5/SVB</b>    | 207525      |                         | <b>T5-5-SOND*/V/SVB-SW</b>  | 908138      |                         |                                                                                                                                                                                  |
|                        | <b>T5-1-SOND*/I5/SVB-SW</b> | 207526      |                         | <b>T5-5-SOND*/Z</b>         | 908025      |                         |                                                                                                                                                                                  |
|                        | <b>T5-1-SOND*/V/SVB</b>     | 908003      |                         |                             |             |                         |                                                                                                                                                                                  |
|                        | <b>T5-1-SOND*/V/SVB-SW</b>  | 908134      |                         | <b>T5-6-SOND*/E</b>         | 907983      |                         |                                                                                                                                                                                  |
|                        | <b>T5-1-SOND*/Z</b>         | 908021      |                         | <b>T5-6-SOND*/EA/SVB</b>    | 907992      |                         |                                                                                                                                                                                  |
|                        |                             |             |                         | <b>T5-6-SOND*/EA/SVB-SW</b> | 908131      |                         |                                                                                                                                                                                  |
|                        | <b>T5-2-SOND*/E</b>         | 907979      |                         | <b>T5-6-SOND*/V/SVB</b>     | 908008      |                         |                                                                                                                                                                                  |
|                        | <b>T5-2-SOND*/EA/SVB</b>    | 907988      |                         | <b>T5-6-SOND*/V/SVB-SW</b>  | 908139      |                         |                                                                                                                                                                                  |
|                        | <b>T5-2-SOND*/EA/SVB-SW</b> | 908127      |                         | <b>T5-6-SOND*/Z</b>         | 908026      |                         |                                                                                                                                                                                  |
|                        | <b>T5-2-SOND*/I5</b>        | 207527      |                         |                             |             |                         |                                                                                                                                                                                  |
|                        | <b>T5-2-SOND*/I5/SVB</b>    | 207528      |                         | <b>T5-7-SOND*/E</b>         | 907984      |                         |                                                                                                                                                                                  |
|                        | <b>T5-2-SOND*/I5/SVB-SW</b> | 207529      |                         | <b>T5-7-SOND*/EA/SVB</b>    | 907993      |                         |                                                                                                                                                                                  |
|                        | <b>T5-2-SOND*/V/SVB</b>     | 908004      |                         | <b>T5-7-SOND*/EA/SVB-SW</b> | 908132      |                         |                                                                                                                                                                                  |
|                        | <b>T5-2-SOND*/V/SVB-SW</b>  | 908135      |                         | <b>T5-7-SOND*/V/SVB</b>     | 908009      |                         |                                                                                                                                                                                  |
|                        | <b>T5-2-SOND*/Z</b>         | 908022      |                         | <b>T5-7-SOND*/V/SVB-SW</b>  | 908140      |                         |                                                                                                                                                                                  |
|                        |                             |             |                         | <b>T5-7-SOND*/Z</b>         | 908027      |                         |                                                                                                                                                                                  |
|                        | <b>T5-3-SOND*/E</b>         | 907980      |                         |                             |             |                         |                                                                                                                                                                                  |
|                        | <b>T5-3-SOND*/EA/SVB</b>    | 907989      |                         | <b>T5-8-SOND*/E</b>         | 907985      |                         |                                                                                                                                                                                  |
|                        | <b>T5-3-SOND*/EA/SVB-SW</b> | 908128      |                         | <b>T5-8-SOND*/EA/SVB</b>    | 907994      |                         |                                                                                                                                                                                  |
|                        | <b>T5-3-SOND*/I5</b>        | 207530      |                         | <b>T5-8-SOND*/EA/SVB-SW</b> | 908133      |                         |                                                                                                                                                                                  |
|                        | <b>T5-3-SOND*/I5/SVB</b>    | 207531      |                         | <b>T5-8-SOND*/V/SVB</b>     | 908010      |                         |                                                                                                                                                                                  |
|                        | <b>T5-3-SOND*/I5/SVB-SW</b> | 207532      |                         | <b>T5-8-SOND*/V/SVB-SW</b>  | 908141      |                         |                                                                                                                                                                                  |
|                        | <b>T5-3-SOND*/V/SVB</b>     | 908005      |                         | <b>T5-8-SOND*/Z</b>         | 908028      |                         |                                                                                                                                                                                  |
|                        | <b>T5-3-SOND*/V/SVB-SW</b>  | 908136      |                         |                             |             |                         |                                                                                                                                                                                  |
|                        | <b>T5-3-SOND*/Z</b>         | 908023      |                         | <b>T5-9-SOND*/E</b>         | 907986      |                         |                                                                                                                                                                                  |
|                        |                             |             |                         | <b>T5-9-SOND*/Z</b>         | 908029      |                         |                                                                                                                                                                                  |
|                        | <b>T5-4-SOND*/E</b>         | 907981      |                         | <b>T5-10-SOND*/E</b>        | 907987      |                         |                                                                                                                                                                                  |
|                        | <b>T5-4-SOND*/EA/SVB</b>    | 907990      |                         | <b>T5-10-SOND*/Z</b>        | 908030      |                         |                                                                                                                                                                                  |
|                        | <b>T5-4-SOND*/EA/SVB-SW</b> | 908129      |                         |                             |             |                         |                                                                                                                                                                                  |
|                        | <b>T5-4-SOND*/I5</b>        | 207533      |                         |                             |             |                         |                                                                                                                                                                                  |
|                        | <b>T5-4-SOND*/I5/SVB</b>    | 207534      |                         |                             |             |                         |                                                                                                                                                                                  |
|                        | <b>T5-4-SOND*/I5/SVB-SW</b> | 207535      |                         |                             |             |                         |                                                                                                                                                                                  |
|                        | <b>T5-4-SOND*/V/SVB</b>     | 908006      |                         |                             |             |                         |                                                                                                                                                                                  |
|                        | <b>T5-4-SOND*/V/SVB-SW</b>  | 908137      |                         |                             |             |                         |                                                                                                                                                                                  |

**Notes**

The prices apply to T cam switches with non-standard contact sequences.  
Please use the "Ordering Non-Standard Contact Sequences" order form when ordering for the first time.  
When placing repeat orders, specify the contact sequence number together with the country identifier (e.g. 4711D).

**Information relevant for export to North America**

|                   |                                                         |
|-------------------|---------------------------------------------------------|
| Product Standards | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.       | E36332                                                  |
| UL CCN            | NLRV7                                                   |
| CSA File No.      | 12528                                                   |
| CSA Class No.     | 3211-05                                                 |
| NA Certification  | UL Listed, CSA certified                                |
| Suitable for      | Branch Circuits                                         |

|                          | Part no. <sup>1)</sup> | Article no. | Price<br>See price list | Part no. <sup>2)</sup>       | Article no. | Price<br>See price list | Std. pack                                                                                                                                                                        |
|--------------------------|------------------------|-------------|-------------------------|------------------------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TM non-standard switches | TM-1-SOND*/E           | 907749      |                         | TM-1-SOND-ERSTBESTELLUNG/E   | 208261      |                         | 1 off<br>  |
|                          | TM-3-SOND*/E           | 907750      |                         | TM-1-SOND-ERSTBESTELLUNG/EZ  | 208262      |                         |                                                                                                                                                                                  |
|                          | TM-2-SOND*/E           | 907763      |                         | TM-1-SOND-ERSTBESTELLUNG/IVS | 225347      |                         |                                                                                                                                                                                  |
|                          | TM-4-SOND*/E           | 907751      |                         | TM-2-SOND-ERSTBESTELLUNG/E   | 208263      |                         |                                                                                                                                                                                  |
|                          | TM-6-SOND*/E           | 907752      |                         | TM-2-SOND-ERSTBESTELLUNG/EZ  | 208264      |                         |                                                                                                                                                                                  |
|                          | TM-5-SOND*/E           | 907764      |                         | TM-2-SOND-ERSTBESTELLUNG/IVS | 225349      |                         |                                                                                                                                                                                  |
|                          | TM-7-SOND*/E           | 907753      |                         | TM-3-SOND-ERSTBESTELLUNG/E   | 208265      |                         |                                                                                                                                                                                  |
|                          | TM-8-SOND*/E           | 907754      |                         | TM-3-SOND-ERSTBESTELLUNG/EZ  | 208266      |                         |                                                                                                                                                                                  |
|                          | TM-1-SOND*/EZ          | 907755      |                         | TM-4-SOND-ERSTBESTELLUNG/E   | 208267      |                         |                                                                                                                                                                                  |
|                          | TM-2-SOND*/EZ          | 907756      |                         | TM-4-SOND-ERSTBESTELLUNG/EZ  | 208268      |                         |                                                                                                                                                                                  |
|                          | TM-3-SOND*/EZ          | 907757      |                         | TM-5-SOND-ERSTBESTELLUNG/E   | 208269      |                         |                                                                                                                                                                                  |
|                          | TM-4-SOND*/EZ          | 907758      |                         | TM-5-SOND-ERSTBESTELLUNG/EZ  | 208270      |                         |                                                                                                                                                                                  |
|                          | TM-5-SOND*/EZ          | 907759      |                         | TM-6-SOND-ERSTBESTELLUNG/E   | 208271      |                         |                                                                                                                                                                                  |
|                          | TM-6-SOND*/EZ          | 907760      |                         | TM-6-SOND-ERSTBESTELLUNG/EZ  | 208272      |                         |                                                                                                                                                                                  |
|                          | TM-7-SOND*/EZ          | 907761      |                         | TM-7-SOND-ERSTBESTELLUNG/E   | 208273      |                         |                                                                                                                                                                                  |
|                          | TM-8-SOND*/EZ          | 907762      |                         | TM-7-SOND-ERSTBESTELLUNG/EZ  | 208274      |                         |                                                                                                                                                                                  |
|                          | TM-1-SOND*/IVS         | 225346      |                         | TM-8-SOND-ERSTBESTELLUNG/E   | 208275      |                         |                                                                                                                                                                                  |
|                          | TM-2-SOND*/IVS         | 225348      |                         | TM-8-SOND-ERSTBESTELLUNG/EZ  | 208276      |                         |                                                                                                                                                                                  |

## Notes

1)

TM-...-SOND.../...:

For repeat orders for which the design number is already known. Form F02 is **not** required for this purpose.  
The design number is a six-digit number and must always be greater than 200000.

2)

TM-...-SOND-ERSTBESTELLUNG/...:

For new orders with a completed form.

## Information relevant for export to North America



|                      |                                                         |
|----------------------|---------------------------------------------------------|
| Product Standards    | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No.          | E36332                                                  |
| UL CCN               | NLRV, NLRV7                                             |
| CSA File No.         | UL report applies to both US and Canada                 |
| CSA Class No.        | —                                                       |
| NA Certification     | UL Listed, certified by UL for use in Canada            |
| Degree of Protection | IEC: IP65; UL/CSA Type: -                               |



## T, TM

## Ordering of non-standard contact sequences

| T           |  |                                                          |                  |                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                    |  |
|-------------|--|----------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|--|
| ↑           |  | ↑                                                        |                  | ↑                                                                                                                                                                                                                                                                         |  | ↑                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | ↑                                                                                  |  |
| Switch size |  | Number of contact units<br>(2 contacts per contact unit) |                  | Contact sequence number                                                                                                                                                                                                                                                   |  | Mounting form                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Accessories                                                                        |  |
|             |  | Max.<br>units                                            | Contacts<br>max. |                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                    |  |
| T0          |  | 11                                                       | 22               | With country ID corresponding to the country of manufacture. Send completed form (as shown on the right) if ordering for the first time. The contact sequence number is specified by the supplying factory. Specifying the part no. is enough when placing repeat orders. |  | <ul style="list-style-type: none"> <li>• Mounting form /E</li> <li>• Center mounting /EZ (for T0, T3)</li> <li>• Surface mounting /I...<sup>1)</sup></li> <li>• Service distribution board mounting /IVS (for T0)</li> <li>• Rear mounting /Z</li> <li>• Flush mounting main switch /EA/SVB<sup>2)</sup></li> <li>• Surface mounting main switch /I.../SVB</li> <li>• Rear mounting main switch /V/SVB<sup>2)</sup></li> <li>• Designs for TM: /E, /EZ, or /IVS</li> </ul> |  | Always specify completely for every order!<br>For TM.../EZ: only +EZ/S... possible |  |
| T3          |  | 11                                                       | 22               |                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                    |  |
| T5B         |  | 10                                                       | 20               |                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                    |  |
| T5          |  | 10                                                       | 20               |                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                    |  |
| TM          |  | 8                                                        | 16               |                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                    |  |

## Engineering notes for non-standard contact sequences

## Contact sequence

The adjacent form makes it easier to specify the contact sequence.

Master copy

## Switching angle

30, 45, 60, 90°

Preferred angle: 60°

For On-Off switches: 90°

For main switches: 90° as FS 908

Changeover with interruption between 2 positions (ON-OFF-ON) not permissible for T0; T3, and TM = 30°, 45°; for T5(T5B) = 30°

Star-delta switch only with switching angle ≥ 60°

## Terminal marking

TM switches have consecutive terminal markings starting with 1.

## Spring-return

The switching action is limited by a stop. The switch returns under spring pressure to the last position. Where a switch has spring-return from both directions, a maximum of max. 3 positions can be traversed.

The spring-return angle is < ½ switching angle.

A max. of 6 contacts can be returned at the same time.

The switching angle of spring-return TM mini rotary switch must be ≥ 60°.

## Fleeting contacts

The duration of the fleeting contact depends primarily on the actuation speed. In order to actuate a contactor with a fleeting pulse, the switching angle of the cam switch must not be less than 60°, since the pulse time can be too short if the switching angle is smaller. Fleeting contact elements always operate in **both** operating directions.

## Complete rotation

Only possible with a total switching angle of 360°.

The direction of switching can be in either operating direction. The number of switch positions multiplied by the switching angle must be 360°. TM with 12 positions (one every 30°) only available with complete rotation, not with stop.

## Front plates

Front plates are part of the equipment supplied with a "first order of rotary switch" and therefore do **not** need to be ordered separately.

## Number of contact units

Number of contacts = Round up to nearest whole number  
2

The contact chamber = contact unit (BE) has 1 or 2 contacts, each of which is actuated by a cam.

In T5(B), there is a common cam for both contacts. Because of this, the following applies for T5(B):

If the total switching angle is **less than 180°**, the contacts can be switched **independently** of each other. With switching angles greater than or equal to 180°, there can only be 2 contacts in the same chamber if their switching sequences are the same but are offset by 180° (e.g. T5B-4-8235 step switch).

## Standard features

Same as cam switch with standard contact sequence.

## Notes

It is possible that the order of the contacts is altered due to technical reasons.

For special switches bridges are only possible between a even or uneven number. Other connections must be made by the user at installation.

<sup>1)</sup> For T0-.../11: max. 4 contact units  
For T3-.../12: max. 5 contact units

<sup>2)</sup> For T0: up to a max. of 8 contacts = 4 BE,  
For T3: up to a max. of 12 contacts = 6 BE

## Non-standard contact sequence ordering example

**MOELLER** 

Binding document for ordering T cam switch combinations for the first time

|                                    |                   |                                    |                           |
|------------------------------------|-------------------|------------------------------------|---------------------------|
| Order No.:<br><b>123456</b>        | Item:<br><b>7</b> | Office:<br><b>Cologne</b>          | Author:<br><b>HWS</b>     |
| Customer:<br><b>Sample Company</b> |                   | Customer no.:<br><b>A4711/2004</b> | Date:<br><b>29.2.2004</b> |

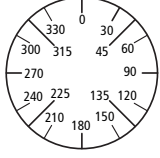
|                    |                                                                                                                          |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                   |
|--------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity: <b>3</b> | Switching angle:                                                                                                         | Part no.:                                                                                                                                                | Number of contacts:                                                                                                                                                                                                                                                                                                                      | Mounting form:                                                                                                                                                                                                                                                                                                                                    |
| Euros/unit:        | <input type="checkbox"/> 30<br><input type="checkbox"/> 45<br><input type="checkbox"/> 60<br><input type="checkbox"/> 90 | <input type="checkbox"/> TM<br><input type="checkbox"/> T0<br><input type="checkbox"/> T3<br><input type="checkbox"/> T5B<br><input type="checkbox"/> T5 | <input type="checkbox"/> 1<br><input type="checkbox"/> 2<br><input type="checkbox"/> 3<br><input type="checkbox"/> 4<br><input type="checkbox"/> 5<br><input type="checkbox"/> 6<br><input type="checkbox"/> 7<br><input type="checkbox"/> 8<br><input type="checkbox"/> 9<br><input type="checkbox"/> 10<br><input type="checkbox"/> 11 | <input type="checkbox"/> 12<br><input type="checkbox"/> 13<br><input type="checkbox"/> 14<br><input type="checkbox"/> 15<br><input type="checkbox"/> 16<br><input type="checkbox"/> 17<br><input type="checkbox"/> 18<br><input type="checkbox"/> 19<br><input type="checkbox"/> 20<br><input type="checkbox"/> 21<br><input type="checkbox"/> 22 |

|                              |      |       |        |       |       |
|------------------------------|------|-------|--------|-------|-------|
| Max. characters per position | TM-E | TM-EZ | TM-IVS | T0(3) | T5(B) |
| Degrees                      | 5    | 5     | 6      | 13    | 13    |
| 0.18                         | 8    | 7     | 4      | 8     | 8     |
| 30, 210, 330                 | 6    | 5     | 4      | 6     | 7     |
| 45, 135, 225, 315            | 5    | 5     | 3      | 5     | 7     |
| 60, 120, 240, 300            | 5    | 4     | 1      | 4     | 7     |
| 90, 270                      | 4    | 4     | 4      | 8     | 8     |
| 150                          |      |       |        |       |       |

|                                                                                                                                                                                                                                                                                                                                           |                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> E<br><input type="checkbox"/> EA/SVB<br><input type="checkbox"/> EZ<br><input type="checkbox"/> I...<br><input type="checkbox"/> I.../SVB<br><input type="checkbox"/> IVS<br><input type="checkbox"/> V/SVB<br><input type="checkbox"/> Z<br><input type="checkbox"/> + ST-0<br><input type="checkbox"/> + _____ | <input type="checkbox"/> EA/SVB-SW<br><input type="checkbox"/> I.../SVB-SW<br><input type="checkbox"/> V/SVB-SW |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                                                         |               |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Front plate no.<br><b>FS</b>                                                                                                                                                            | Contact units |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <input type="radio"/> Complete rotation<br><br><input type="radio"/> Automatic spring-return<br><br> | 1             | 2 | 3 | 4 | 5  | 6  | 7  | 8  | 9  | 10 | 11 |    |    |    |    |    |    |    |    |    |    |    |
| Inscription                                                                                                                                                                             | 1             | 3 | 5 | 7 | 9  | 11 | 13 | 15 | 17 | 19 | 21 | 23 | 25 | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 |
| Degrees                                                                                                                                                                                 | 2             | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 |
| 270                                                                                                                                                                                     | 1             | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 300                                                                                                                                                                                     |               |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 315                                                                                                                                                                                     |               |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 330                                                                                                                                                                                     | 2             | X |   | X |    |    |    |    | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0                                                                                                                                                                                       |               |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 30                                                                                                                                                                                      | 3             | X |   |   |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 45                                                                                                                                                                                      |               |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 60                                                                                                                                                                                      | 4             |   |   |   |    |    |    |    |    | X  |    |    |    |    |    |    |    |    |    |    |    |    |
| 90                                                                                                                                                                                      |               |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 120                                                                                                                                                                                     |               |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 135                                                                                                                                                                                     |               |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 150                                                                                                                                                                                     |               |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 180                                                                                                                                                                                     |               |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 210                                                                                                                                                                                     |               |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 225                                                                                                                                                                                     |               |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 240                                                                                                                                                                                     |               |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

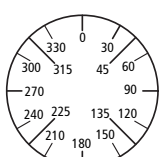
|                     |   |                                                         |          |
|---------------------|---|---------------------------------------------------------|----------|
| Key withdrawability | X | Part no. for repeat orders (to be filled in by factory) | <b>T</b> |
|---------------------|---|---------------------------------------------------------|----------|

T, TM

**MOELLER** 

Binding document for ordering T cam switch combinations for the first time

| Order No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Item:       | Office:                                                                                                                                                                                                                                                                                                                                  | Name:                                                                                                                                                                                                                                                                                                                                             |         |       |       |        |       |       |      |   |   |   |    |    |              |   |   |   |   |   |                   |   |   |   |   |   |                   |   |   |   |   |   |         |   |   |   |   |   |     |   |   |   |   |   |
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| Customer:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             | Customer no.:                                                                                                                                                                                                                                                                                                                            | Date:                                                                                                                                                                                                                                                                                                                                             |         |       |       |        |       |       |      |   |   |   |    |    |              |   |   |   |   |   |                   |   |   |   |   |   |                   |   |   |   |   |   |         |   |   |   |   |   |     |   |   |   |   |   |
| <b>Notes:</b><br><br>The number of possible contacts, as well as the possible combinations with mounting forms are shown in the Main Catalogue.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quantity:   | Switching angle:                                                                                                                                                                                                                                                                                                                         | Part no.:                                                                                                                                                                                                                                                                                                                                         |         |       |       |        |       |       |      |   |   |   |    |    |              |   |   |   |   |   |                   |   |   |   |   |   |                   |   |   |   |   |   |         |   |   |   |   |   |     |   |   |   |   |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Euros/unit: | <input type="checkbox"/> 30<br><input type="checkbox"/> 45<br><input type="checkbox"/> 60<br><input type="checkbox"/> 90                                                                                                                                                                                                                 | <input type="checkbox"/> TM<br><input type="checkbox"/> T0<br><input type="checkbox"/> T3<br><input type="checkbox"/> T5B<br><input type="checkbox"/> T5                                                                                                                                                                                          |         |       |       |        |       |       |      |   |   |   |    |    |              |   |   |   |   |   |                   |   |   |   |   |   |                   |   |   |   |   |   |         |   |   |   |   |   |     |   |   |   |   |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             | Number of contacts:                                                                                                                                                                                                                                                                                                                      | Mounting form:                                                                                                                                                                                                                                                                                                                                    |         |       |       |        |       |       |      |   |   |   |    |    |              |   |   |   |   |   |                   |   |   |   |   |   |                   |   |   |   |   |   |         |   |   |   |   |   |     |   |   |   |   |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             | <input type="checkbox"/> 1<br><input type="checkbox"/> 2<br><input type="checkbox"/> 3<br><input type="checkbox"/> 4<br><input type="checkbox"/> 5<br><input type="checkbox"/> 6<br><input type="checkbox"/> 7<br><input type="checkbox"/> 8<br><input type="checkbox"/> 9<br><input type="checkbox"/> 10<br><input type="checkbox"/> 11 | <input type="checkbox"/> 12<br><input type="checkbox"/> 13<br><input type="checkbox"/> 14<br><input type="checkbox"/> 15<br><input type="checkbox"/> 16<br><input type="checkbox"/> 17<br><input type="checkbox"/> 18<br><input type="checkbox"/> 19<br><input type="checkbox"/> 20<br><input type="checkbox"/> 21<br><input type="checkbox"/> 22 |         |       |       |        |       |       |      |   |   |   |    |    |              |   |   |   |   |   |                   |   |   |   |   |   |                   |   |   |   |   |   |         |   |   |   |   |   |     |   |   |   |   |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> E<br><input type="checkbox"/> EA/SVB<br><input type="checkbox"/> EZ<br><input type="checkbox"/> I...<br><input type="checkbox"/> I.../SVB<br><input type="checkbox"/> IVS<br><input type="checkbox"/> V/SVB<br><input type="checkbox"/> Z<br><input type="checkbox"/> + _____<br><input type="checkbox"/> + _____        |         |       |       |        |       |       |      |   |   |   |    |    |              |   |   |   |   |   |                   |   |   |   |   |   |                   |   |   |   |   |   |         |   |   |   |   |   |     |   |   |   |   |   |
| Max. characters per position<br><table border="1"> <thead> <tr> <th>Degrees</th> <th>TM-E</th> <th>TM-EZ</th> <th>TM-IVS</th> <th>T0(3)</th> <th>T5(B)</th> </tr> </thead> <tbody> <tr> <td>0.18</td> <td>5</td> <td>5</td> <td>6</td> <td>13</td> <td>13</td> </tr> <tr> <td>30, 210, 330</td> <td>8</td> <td>7</td> <td>4</td> <td>8</td> <td>8</td> </tr> <tr> <td>45, 135, 225, 315</td> <td>6</td> <td>5</td> <td>4</td> <td>6</td> <td>7</td> </tr> <tr> <td>60, 120, 240, 300</td> <td>5</td> <td>5</td> <td>3</td> <td>5</td> <td>7</td> </tr> <tr> <td>90, 270</td> <td>5</td> <td>4</td> <td>1</td> <td>4</td> <td>7</td> </tr> <tr> <td>150</td> <td>4</td> <td>4</td> <td>4</td> <td>8</td> <td>8</td> </tr> </tbody> </table> |             |                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                   | Degrees | TM-E  | TM-EZ | TM-IVS | T0(3) | T5(B) | 0.18 | 5 | 5 | 6 | 13 | 13 | 30, 210, 330 | 8 | 7 | 4 | 8 | 8 | 45, 135, 225, 315 | 6 | 5 | 4 | 6 | 7 | 60, 120, 240, 300 | 5 | 5 | 3 | 5 | 7 | 90, 270 | 5 | 4 | 1 | 4 | 7 | 150 | 4 | 4 | 4 | 8 | 8 |
| Degrees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TM-E        | TM-EZ                                                                                                                                                                                                                                                                                                                                    | TM-IVS                                                                                                                                                                                                                                                                                                                                            | T0(3)   | T5(B) |       |        |       |       |      |   |   |   |    |    |              |   |   |   |   |   |                   |   |   |   |   |   |                   |   |   |   |   |   |         |   |   |   |   |   |     |   |   |   |   |   |
| 0.18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5           | 5                                                                                                                                                                                                                                                                                                                                        | 6                                                                                                                                                                                                                                                                                                                                                 | 13      | 13    |       |        |       |       |      |   |   |   |    |    |              |   |   |   |   |   |                   |   |   |   |   |   |                   |   |   |   |   |   |         |   |   |   |   |   |     |   |   |   |   |   |
| 30, 210, 330                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8           | 7                                                                                                                                                                                                                                                                                                                                        | 4                                                                                                                                                                                                                                                                                                                                                 | 8       | 8     |       |        |       |       |      |   |   |   |    |    |              |   |   |   |   |   |                   |   |   |   |   |   |                   |   |   |   |   |   |         |   |   |   |   |   |     |   |   |   |   |   |
| 45, 135, 225, 315                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6           | 5                                                                                                                                                                                                                                                                                                                                        | 4                                                                                                                                                                                                                                                                                                                                                 | 6       | 7     |       |        |       |       |      |   |   |   |    |    |              |   |   |   |   |   |                   |   |   |   |   |   |                   |   |   |   |   |   |         |   |   |   |   |   |     |   |   |   |   |   |
| 60, 120, 240, 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5           | 5                                                                                                                                                                                                                                                                                                                                        | 3                                                                                                                                                                                                                                                                                                                                                 | 5       | 7     |       |        |       |       |      |   |   |   |    |    |              |   |   |   |   |   |                   |   |   |   |   |   |                   |   |   |   |   |   |         |   |   |   |   |   |     |   |   |   |   |   |
| 90, 270                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5           | 4                                                                                                                                                                                                                                                                                                                                        | 1                                                                                                                                                                                                                                                                                                                                                 | 4       | 7     |       |        |       |       |      |   |   |   |    |    |              |   |   |   |   |   |                   |   |   |   |   |   |                   |   |   |   |   |   |         |   |   |   |   |   |     |   |   |   |   |   |
| 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4           | 4                                                                                                                                                                                                                                                                                                                                        | 4                                                                                                                                                                                                                                                                                                                                                 | 8       | 8     |       |        |       |       |      |   |   |   |    |    |              |   |   |   |   |   |                   |   |   |   |   |   |                   |   |   |   |   |   |         |   |   |   |   |   |     |   |   |   |   |   |

| <b>Front plate no.</b><br><br><b>FS</b> _____<br><br><input type="radio"/> Complete rotation<br><br><input type="radio"/> Automatic Spring-return<br><br><br><b>Inscription</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Contact units</b><br><table border="1"> <thead> <tr> <th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th> </tr> </thead> <tbody> <tr> <td>1</td><td>3</td><td>5</td><td>7</td><td>9</td><td>11</td><td>13</td><td>15</td><td>17</td><td>19</td><td>21</td> </tr> <tr> <td>2</td><td>4</td><td>6</td><td>8</td><td>10</td><td>12</td><td>14</td><td>16</td><td>18</td><td>20</td><td>22</td> </tr> <tr> <td>23</td><td>25</td><td>27</td><td>29</td><td>31</td><td>33</td><td>35</td><td>37</td><td>39</td><td>41</td><td>43</td> </tr> <tr> <td>24</td><td>26</td><td>28</td><td>30</td><td>32</td><td>34</td><td>36</td><td>38</td><td>40</td><td>42</td><td>44</td> </tr> </tbody> </table> | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 1  | 3  | 5  | 7  | 9  | 11 | 13 | 15 | 17 | 19 | 21 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 23 | 25 | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 24 | 26  | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  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| 240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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## FS-SOND

## Ordering non-standard front plates



Binding document for ordering non-standard front plates for the first time

|            |             |               |  |
|------------|-------------|---------------|--|
| Order No.: |             | Item:         |  |
| Office:    |             | Name:         |  |
| Customer:  |             | Customer no.: |  |
| Quantity:  | Euros/unit: | Date:         |  |

The text is always centered in the text block

## Non-standard front plates

Inscription:  
Front plate with black lettering

## Insert text

Note the maximum number of characters  
allowed outside the marked areas!

Part no.

**FS-SOND-  
T0 (T3, P1)**

Letter height

≤ 2 Characters  
≥ 2 Characters

4 mm  
3 mm

**FS-SOND-  
P3 (T5B, T5)**

Letter height

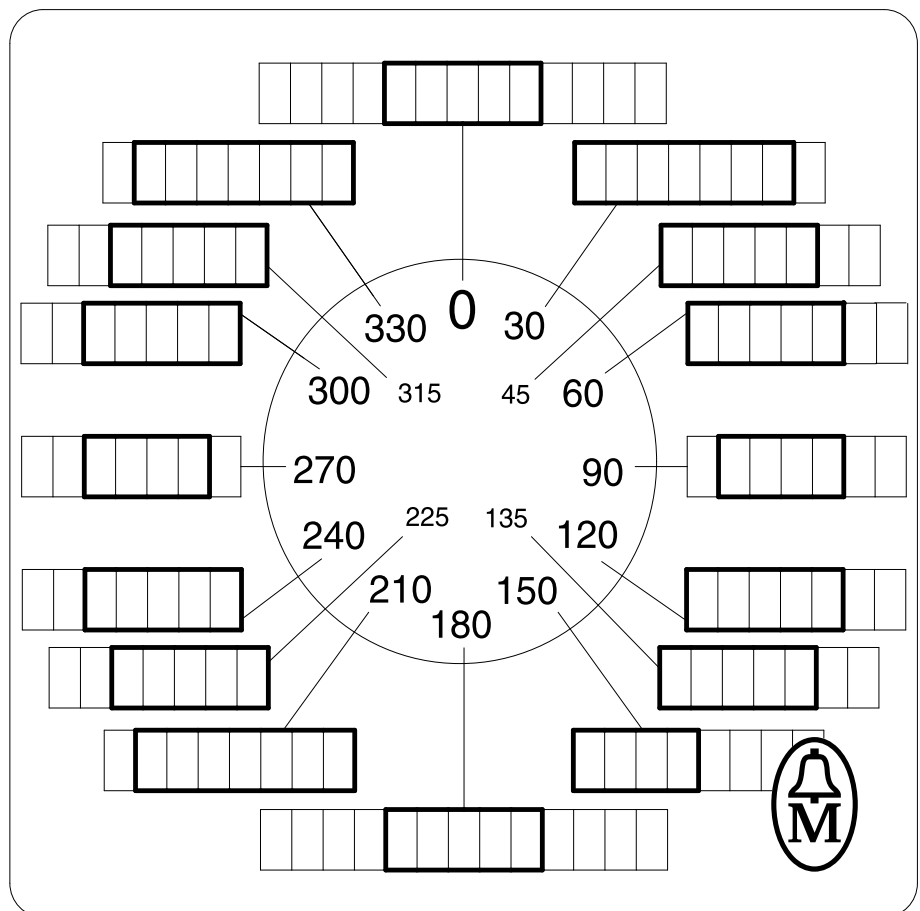
≤ 2 Characters  
≥ 2 Characters

8 mm  
5 mm

**FS-SOND-TM-E  
FS-SOND-TM-EZ**

≤ 2 Characters approx.  
≥ 2 Characters

3.5 mm  
3 mm



For P1 and P3, fill out positions 270° and 0° only

## Max. possible number of characters

## Position

| Degrees           | TM-E | TM-EZ | T0/P1 | T5/P3 |
|-------------------|------|-------|-------|-------|
| 0, 180            | 5    | 5     | 13    | 13    |
| 30, 210, 330      | 8    | 7     | 8     | 8     |
| 45, 135, 225, 315 | 6    | 5     | 6     | 7     |
| 60, 120, 240, 300 | 5    | 5     | 5     | 7     |
| 90, 270           | 5    | 4     | 4     | 7     |
| 150               | 4    | 4     | 8     | 8     |

## Dimensions

## Part no.

Front plate size

|                 |                                |
|-----------------|--------------------------------|
| TM-.../E        | 29 x 29 mm (for frame 30 x 30) |
| TM-.../EZ(-...) | 29 x 29 mm (for frame 30 x 30) |
| T0, T3, P1      | 45 x 45 mm (for frame 48 x 48) |
| P3, T5, T5B     | 84 x 84 mm (for frame 88 x 88) |

Part no. for repeat orders (to be filled in by factory)

FS.....

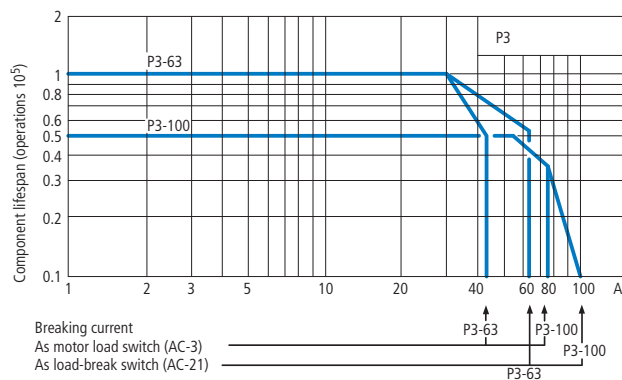
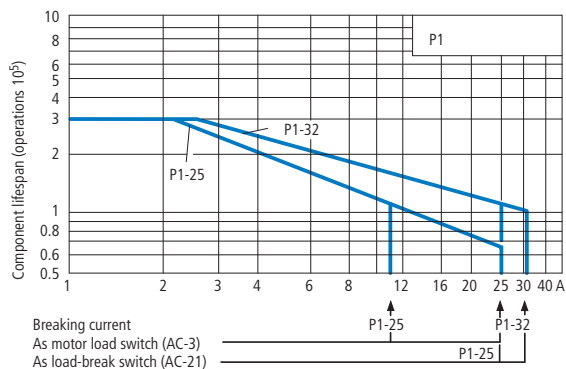
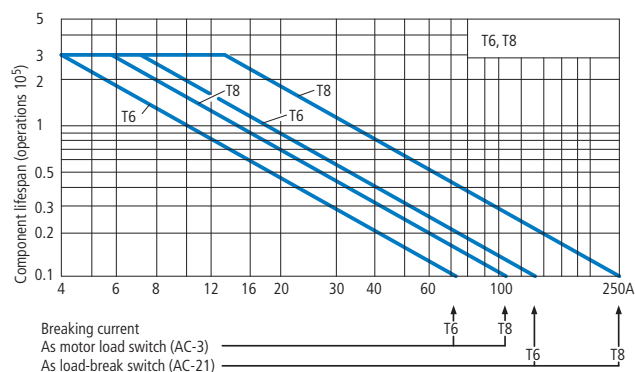
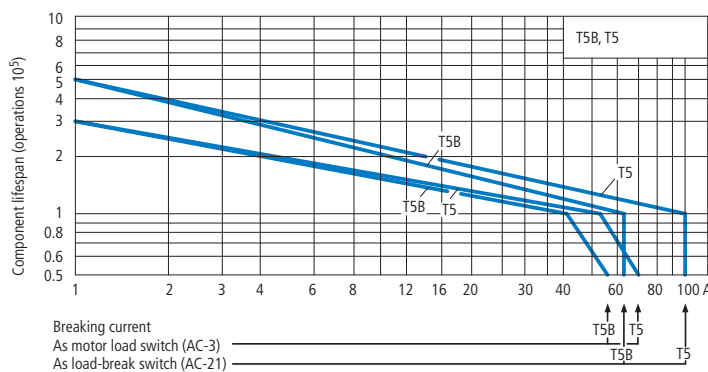
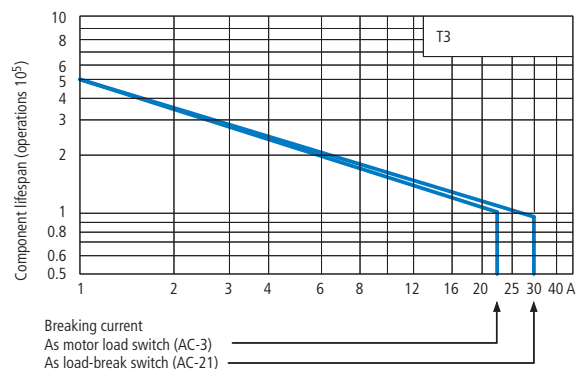
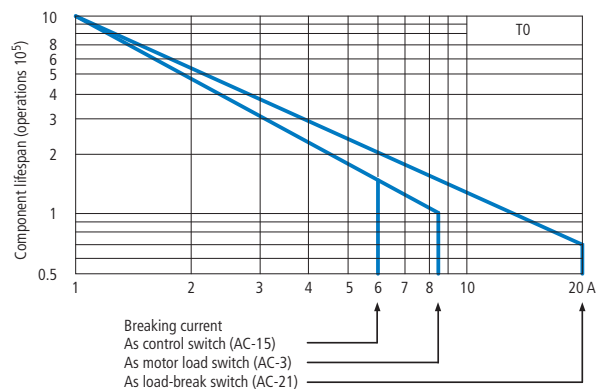


T, P

## Characteristic curves

Component lifespan based on breaking current and utilization category <sup>1)</sup>

To ensure a reasonable service life in utilization category AC-4 (extreme load: 100 % inching, reversing, or plug braking), the motor's standstill current must not exceed the rated operational current of the switch for AC-21A.



## Notes

<sup>1)</sup> AC-3 and AC-21 at 400 V, AC-15 at 230 V

## Technical data

|                                                                                                      |                                         |                           | P1-25                                                                               | P1-32                          | P3-63                            | P3-100                           |
|------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|-------------------------------------------------------------------------------------|--------------------------------|----------------------------------|----------------------------------|
| <b>General</b>                                                                                       |                                         |                           |                                                                                     |                                |                                  |                                  |
| Standards                                                                                            |                                         |                           | IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL switch-disconnector to IEC/EN 60947-3 |                                |                                  |                                  |
| Lifespan, mechanical                                                                                 | Operations                              | x 10 <sup>6</sup>         | 0.3                                                                                 | 0.3                            | 0.1                              | 0.1                              |
| Maximum operating frequency                                                                          | Operations/h                            |                           | 50                                                                                  | 50                             | 50                               | 50                               |
| Climatic proofing                                                                                    |                                         |                           | Damp heat, constant, to IEC 60068-2-78;<br>Damp heat, cyclical, to IEC 60068-2-30   |                                |                                  |                                  |
| Ambient temperature                                                                                  | Open                                    | °C                        | -25 - 50                                                                            | -25 - 50                       | -25 - 50                         | -25 - 50                         |
|                                                                                                      | Enclosed                                | °C                        | -25 - 40                                                                            | -25 - 40                       | -25 - 40                         | -25 - 40                         |
| Mounting position                                                                                    |                                         |                           | Any                                                                                 | Any                            | Any                              | Any                              |
| Mechanical shock resistance (IEC/EN60068-2-27)                                                       | Half-sinusoidal shock 20 ms             | g                         | 15                                                                                  | 15                             | 15                               | 15                               |
| <b>Contacts</b>                                                                                      |                                         |                           |                                                                                     |                                |                                  |                                  |
| Rated operational voltage                                                                            | U <sub>e</sub>                          | V AC                      | 690                                                                                 | 690                            | 690                              | 690                              |
| Rated impulse withstand voltage                                                                      | U <sub>imp</sub>                        | V AC                      | 6000                                                                                | 6000                           | 6000                             | 6000                             |
| Overvoltage category/pollution degree                                                                |                                         |                           | III/3                                                                               | III/3                          | III/3                            | III/3                            |
| Rated uninterrupted current                                                                          | I <sub>u</sub>                          | A                         | 25                                                                                  | 32                             | 63                               | 100                              |
| Load rating with intermittent operation, class 12                                                    | AB 60 % DF                              | x I <sub>e</sub>          | 1.3                                                                                 | 1.3                            | 1.3                              | 1.3                              |
|                                                                                                      | AB 40 % DF                              | x I <sub>e</sub>          | 1.6                                                                                 | 1.6                            | 1.6                              | 1.6                              |
|                                                                                                      | AB 25 % DF                              | x I <sub>e</sub>          | 2                                                                                   | 2                              | 2                                | 2                                |
| Short-circuit rating                                                                                 | Fuse                                    | A gG/gL                   | 25                                                                                  | 50                             | 80                               | 100                              |
| Rated short-time withstand current (1 s current)                                                     | I <sub>cw</sub>                         | A <sub>rms</sub>          | 640                                                                                 | 640                            | 1260                             | 2000                             |
| Isolating characteristics to IEC/EN 60947                                                            |                                         | V AC                      | ≤ 690                                                                               | ≤ 690                          | ≤ 690                            | ≤ 690                            |
| Safe isolation according to EN 61140                                                                 |                                         |                           |                                                                                     |                                |                                  |                                  |
| Safe isolation to VDE 0106 Part 101 and Part 101 A1 between the auxiliary contacts and main circuits |                                         | V AC                      | 440                                                                                 | 440                            | 440                              | 440                              |
| Switching angle                                                                                      |                                         | °                         | 90                                                                                  | 90                             | 90                               | 90                               |
| Contacts                                                                                             |                                         | Number                    | Max. 3 (+N)                                                                         | Max. 3 (+N)                    | Max. 3 (+N)                      | Max. 3 (+N)                      |
| Current heat loss per contact at I <sub>e</sub>                                                      |                                         | W                         | 1.1                                                                                 | 1.8                            | 4.5                              | 7.5                              |
| <b>Terminal capacity</b>                                                                             |                                         |                           |                                                                                     |                                |                                  |                                  |
| Solid or stranded                                                                                    |                                         | mm <sup>2</sup>           | 1 x (1.5 - 6)<br>2 x (1.5 - 6)                                                      | 1 x (1.5 - 6)<br>2 x (1.5 - 6) | 1 x (2.5 - 35)<br>2 x (2.5 - 10) | 1 x (2.5 - 35)<br>2 x (2.5 - 10) |
| Flexible with ferrule to DIN 46228                                                                   |                                         | mm <sup>2</sup>           | 1 x (1 - 4)<br>2 x (1 - 4)                                                          | 1 x (1 - 4)<br>2 x (1 - 4)     | 1 x (1.5 - 25)<br>2 x (1.5 - 6)  | 1 x (1.5 - 25)<br>2 x (1.5 - 6)  |
| Terminal screw                                                                                       |                                         |                           | M4                                                                                  | M4                             | M5                               | M5                               |
| Tightening torque                                                                                    |                                         | Nm                        | 1.6                                                                                 | 1.6                            | 3                                | 3                                |
| <b>Switching capacity</b>                                                                            |                                         |                           |                                                                                     |                                |                                  |                                  |
| AC voltage                                                                                           |                                         |                           |                                                                                     |                                |                                  |                                  |
| Rated making capacity cos φ = 0.35                                                                   |                                         |                           | 240                                                                                 | 320                            | 800                              | 950                              |
| Rated breaking capacity, motor load switch cos φ = 0.35                                              | 230 V                                   | A                         | 190                                                                                 | 260                            | 640                              | 760                              |
|                                                                                                      | 400/415 V                               | A                         | 150                                                                                 | 300                            | 600                              | 740                              |
|                                                                                                      | 500 V                                   | A                         | 170                                                                                 | 290                            | 590                              | 880                              |
|                                                                                                      | 690 V                                   | A                         | 150                                                                                 | 250                            | 340                              | 520                              |
| Rated operational current 440 V, load-break switch AC-21A                                            |                                         |                           | 25                                                                                  | 32                             | 63                               | 100                              |
| AC-3 motor load switch motor rating                                                                  | 230 V                                   | P                         | 5.5                                                                                 | 7.5                            | 15                               | 22                               |
|                                                                                                      | 400/415 V                               | P                         | 7.5                                                                                 | 13                             | 30                               | 37                               |
|                                                                                                      | 500 V                                   | P                         | 7.5                                                                                 | 18.5                           | 30                               | 45                               |
|                                                                                                      | 690 V                                   | P                         | 7.5                                                                                 | 15                             | 30                               | 37                               |
| AC-23A motor load switch motor rating                                                                | 230 V                                   | P                         | 7                                                                                   | 8.5                            | 18.5                             | 30                               |
|                                                                                                      | 400/415 V                               | P                         | 13                                                                                  | 15                             | 30                               | 50                               |
|                                                                                                      | 500 V                                   | P                         | 11                                                                                  | 18.5                           | 37                               | 65                               |
|                                                                                                      | 690 V                                   | P                         | 11                                                                                  | 18.5                           | 30                               | 45                               |
| DC voltage                                                                                           |                                         |                           |                                                                                     |                                |                                  |                                  |
| DC-1, load switch L/R = 1 ms                                                                         | Rated operational current               | I <sub>e</sub>            | 25                                                                                  | 32                             | 63                               | 100                              |
|                                                                                                      | Voltage per contact connected in series | V                         | 60                                                                                  | 60                             | 60                               | 60                               |
| DC-23A, motor load switch L/R = 15 ms                                                                | Rated operational current               | I <sub>e</sub>            | 25                                                                                  | 25                             | 50                               | 50                               |
|                                                                                                      | Contacts                                | Number                    | 1                                                                                   | 1                              | 1                                | 1                                |
|                                                                                                      | 48 V                                    | Rated operational current | 25                                                                                  | 25                             | 50                               | 50                               |
|                                                                                                      |                                         | Contacts                  | 2                                                                                   | 2                              | 2                                | 2                                |
|                                                                                                      | 60 V                                    | Rated operational current | 25                                                                                  | 25                             | 50                               | 50                               |
|                                                                                                      |                                         | Contacts                  | 3                                                                                   | 3                              | 3                                | 3                                |
|                                                                                                      | 120 V                                   | Rated operational current | 12                                                                                  | 12                             | 25                               | 25                               |
|                                                                                                      |                                         | Contacts                  | 3                                                                                   | 3                              | 3                                | 3                                |

## Notes

Main switch characteristics to IEC/EN 60204; positive opening of contacts, operator element positively located on shaft.

Rated uninterrupted current I<sub>u</sub> is specified for max. cross-section.

For terminal capacity solid, stranded and flexible: Max. 2 cross-section sizes difference admissible when using 2 conductors.





| Rating data for approved types <sup>1)</sup><br>UL File No. E36332 |          |          |          | P1-25           | P1-32      | P3-63 | P3-100 |
|--------------------------------------------------------------------|----------|----------|----------|-----------------|------------|-------|--------|
| Contacts                                                           |          |          |          |                 |            |       |        |
| Rated operational voltage U <sub>e</sub>                           |          | V AC     |          | 600             | 600        | 600   | 600    |
| Rated uninterrupted current I <sub>u</sub>                         |          |          |          |                 |            |       |        |
| Current rating                                                     |          | A        |          | 20              | 30         | 60    | 100    |
| Pilot Duty                                                         |          |          |          | A 600P 600      | A 600P 600 | –     | –      |
| Switching capacity                                                 |          |          |          |                 |            |       |        |
| AC-3; max. rated power<br>40 – 60 Hz AC motors                     |          |          |          |                 |            |       |        |
| 3-phase                                                            | 200 V AC | HP       | 5        | 7½              | 15         | 20    |        |
|                                                                    | 230 V AC | HP       | 5        | 10              | 15         | 25    |        |
|                                                                    | 460 V AC | HP       | 10       | 20              | 40         | 60    |        |
|                                                                    | 575 V AC | HP       | 15       | 25              | 50         | 75    |        |
| Single-phase                                                       | 120 V AC | HP       | 1½       | 2               | 3          | 5     |        |
|                                                                    | 200 V AC | HP       | 3        | 3               | 7½         | 10    |        |
|                                                                    | 230 V AC | HP       | 3        | 5               | 10         | 15    |        |
| Short-circuit rating                                               |          |          |          |                 |            |       |        |
| Standard                                                           |          | 600 V AC | kA       | 5               | 5          | 10    | 10     |
| With back-up fuse                                                  |          |          | A        | 110             | 110        | 150   | 150    |
| With circuit-breakers                                              |          |          | Part no. | NZMH6           | NZMH6      | NZMH6 | NZMH9  |
| Current setting                                                    |          |          | A        | 125             | 125        | 125   | 125    |
| Disconnect in motor circuits                                       |          | 600 V AC | kA       | 10              | 10         | 10    | –      |
| With back-up fuse                                                  |          |          | Class    | 50 A/J          | 50 A/J     | 100 A | 100 A  |
| Terminal capacity                                                  |          |          |          |                 |            |       |        |
| Terminal capacity                                                  |          |          |          |                 |            |       |        |
| Cu cable                                                           | Min./    | AWG      | 14       | 14              | 14         | 14    |        |
|                                                                    | Max.     | AWG      | 8        | 8               | 2          | 2     |        |
| Tightening torque                                                  | Max.     | in-lb    | 14.1     | 14.1            | 26.5       | 26.5  |        |
|                                                                    |          |          |          | HI 11           |            |       |        |
| Auxiliary contacts (1 N/O + 1 N/C)                                 |          |          |          |                 |            |       |        |
| Pilot Duty                                                         |          |          |          | P 600           |            |       |        |
| Heavy Pilot Duty                                                   |          |          |          | A 600           |            |       |        |
| General Use                                                        |          |          |          | 10 A – 600 V AC |            |       |        |

**Notes**<sup>1)</sup> Devices for world markets IEC ≙ UL/CSA

|                      |                                     |                   |                   |
|----------------------|-------------------------------------|-------------------|-------------------|
| UL File No:          | <b>UL approved protection types</b> |                   |                   |
| E36332               | <b>UL/NEMA 3R<sup>1)</sup></b>      | <b>UL/NEMA 12</b> | <b>UL/NEMA 13</b> |
| Switch-disconnectors |                                     |                   |                   |
| P1-.../EA/SVB        | •                                   | •                 | –                 |
| P1-.../V/SVB         | •                                   | •                 | –                 |
| P3-.../EA/SVB        | •                                   | •                 | •                 |
| P3-.../V/SVB         | •                                   | •                 | •                 |

**Notes**

Details of protection types

<sup>1)</sup> NEMA recommendation

| Part no.:                    | P1               | P3-63            | P3-100           |
|------------------------------|------------------|------------------|------------------|
| <b>Mounting form</b>         |                  |                  |                  |
| /E; /EA; /EZ<br>/Z; /V; /IVS |                  |                  |                  |
| /I2                          | +NA-I2<br>105866 |                  |                  |
| /I4                          |                  | +NA-I4<br>105868 |                  |
| /I5                          |                  |                  | +NA-I5<br>105869 |

|                                                                                                         |                                            |                   | P5-125                                                                                  | P5-160                         | P5-250                          | P5-315                          |
|---------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------|-----------------------------------------------------------------------------------------|--------------------------------|---------------------------------|---------------------------------|
| <b>General</b>                                                                                          |                                            |                   |                                                                                         |                                |                                 |                                 |
| Standards                                                                                               |                                            |                   | IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL<br>Switch-disconnectors to IEC/EN 60947-3 |                                |                                 |                                 |
| Lifespan, mechanical                                                                                    | Operations                                 | x 10 <sup>6</sup> | 0.1                                                                                     | 0.1                            | 0.08                            | 0.08                            |
| Maximum operating frequency                                                                             | Operations/h                               |                   | 50                                                                                      | 50                             | 50                              | 50                              |
| Climatic proofing                                                                                       |                                            |                   | Damp heat, constant, to IEC 60068-2-78;<br>Damp heat, cyclical, to IEC 60068-2-30       |                                |                                 |                                 |
| Ambient temperature                                                                                     | Open                                       | °C                | -25 - 50                                                                                | -25 - 50                       | -25 - 50                        | -25 - 50                        |
|                                                                                                         | Enclosed                                   | °C                | -25 - 40                                                                                | -25 - 40                       | -25 - 40                        | -25 - 40                        |
| Mounting position                                                                                       |                                            |                   | Any                                                                                     | Any                            | Any                             | Any                             |
| <b>Contacts</b>                                                                                         |                                            |                   |                                                                                         |                                |                                 |                                 |
| Rated operational voltage                                                                               | U <sub>e</sub>                             | V AC              | 690                                                                                     | 690                            | 690                             | 690                             |
| Rated impulse withstand voltage                                                                         | U <sub>imp</sub>                           | V AC              | 8000                                                                                    | 8000                           | 8000                            | 8000                            |
| Overvoltage category/pollution degree                                                                   |                                            |                   | III/3                                                                                   | III/3                          | III/3                           | III/3                           |
| Rated uninterrupted current                                                                             | I <sub>u</sub>                             | A                 | 125                                                                                     | 160                            | 250                             | 315                             |
| Load rating with intermittent operation,<br>class 12                                                    | AB 60 % DF                                 | x I <sub>e</sub>  | 1.3                                                                                     | 1.3                            | 1.3                             | 1.3                             |
|                                                                                                         | AB 40 % DF                                 | x I <sub>e</sub>  | 1.6                                                                                     | 1.6                            | 1.6                             | 1.6                             |
|                                                                                                         | AB 25 % DF                                 | x I <sub>e</sub>  | 2                                                                                       | 2                              | 2                               | 2                               |
| Short-circuit rating                                                                                    | Fuse                                       | A gG/gL           | 125                                                                                     | 160                            | 250                             | 315                             |
| Rated short-time withstand current (1 s current)                                                        | I <sub>cw</sub>                            | A <sub>rms</sub>  | 2500                                                                                    | 3000                           | 4600                            | 5800                            |
| Isolating characteristics to IEC/EN 60947                                                               |                                            | V AC              | ≤ 690                                                                                   | ≤ 690                          | ≤ 690                           | ≤ 690                           |
| Safe isolation according to EN 61140                                                                    |                                            |                   |                                                                                         |                                |                                 |                                 |
| Safe isolation to VDE 0106 Part 101 and Part 101 A1 between the<br>auxiliary contacts and main circuits |                                            | V AC              | 440                                                                                     | 440                            | 440                             | 440                             |
| Switching angle                                                                                         |                                            | °                 | 90                                                                                      | 90                             | 90                              | 90                              |
| Contacts                                                                                                |                                            | Number            | Max. 3 (+N)                                                                             | Max. 3 (+N)                    | Max. 3 (+N)                     | Max. 3 (+N)                     |
| Current heat loss per contact at I <sub>e</sub>                                                         |                                            | W                 | 8                                                                                       | 10                             | 13                              | 16                              |
| <b>Terminal capacity</b>                                                                                |                                            |                   |                                                                                         |                                |                                 |                                 |
| Solid or stranded                                                                                       |                                            | mm <sup>2</sup>   | 1 x (10 - 95)<br>2 x (10 - 35)                                                          | 1 x (10 - 95)<br>2 x (10 - 35) | 1 x (16 - 185)<br>2 x (16 - 70) | 1 x (16 - 185)<br>2 x (16 - 70) |
| Copper strip, 1 flat conductor                                                                          | Number of<br>layers x width<br>x thickness | mm                | 6 x 9 x 0.8                                                                             | —                              | 6 x 20 x 1                      | —                               |
| Copper strip, 2 flat conductors                                                                         |                                            | mm                | —                                                                                       | 6 x 9 x 0.8                    | —                               | 6 x 20 x 1                      |
| Flexible with ferrule to DIN 46228                                                                      |                                            | mm <sup>2</sup>   | 1 x (16 - 70)<br>2 x (16 - 25)                                                          | 1 x (16 - 70)<br>2 x (16 - 25) | 1 x (25 - 120)<br>2 x (25 - 50) | 1 x (25 - 120)<br>2 x (25 - 50) |
| Terminal screw                                                                                          |                                            |                   | Hexagon<br>screw 5                                                                      | Hexagon<br>screw 5             | Hexagon<br>screw 6              | Hexagon<br>screw 6              |
| Tightening torque                                                                                       |                                            | Nm                | 14                                                                                      | 14                             | 16                              | 16                              |

**Notes**

Main switch characteristics to IEC/EN 60204; positive opening of contacts, operator element positively located on shaft  
Rated uninterrupted current I<sub>u</sub> is specified for max. cross-section.  
For terminal capacity solid, stranded, and flexible:  
Max. 2 cross-section sizes difference admissible when using 2 conductores.





|                                                            |       |                                         |                | P5-125 | P5-160 | P5-250 | P5-315 |     |
|------------------------------------------------------------|-------|-----------------------------------------|----------------|--------|--------|--------|--------|-----|
| Switching capacity                                         |       |                                         |                |        |        |        |        |     |
| AC voltage                                                 |       |                                         |                |        |        |        |        |     |
| Rated making capacity cos φ = 0.35                         |       |                                         | A              | 850    | 1050   | 1700   | 2050   |     |
| Rated breaking capacity,<br>motor load switch cos φ = 0.35 | 230 V |                                         | A              | 800    | 900    | 1600   | 1800   |     |
|                                                            | 400 V |                                         | A              | 750    | 850    | 1380   | 1650   |     |
|                                                            | 500 V |                                         | A              | 650    | 850    | 1250   | 1550   |     |
|                                                            | 690 V |                                         | A              | 340    | 340    | 400    | 400    |     |
| Rated operational current 440 V, load-break switch AC-21A  |       | I <sub>e</sub>                          | A              | 125    | 160    | 250    | 315    |     |
| Motor rating<br>motor load switch AC-3                     | 230 V | P                                       | kW             | 22     | 30     | 37     | 45     |     |
|                                                            | 400 V | P                                       | kW             | 37     | 45     | 55     | 75     |     |
|                                                            | 690 V | P                                       | kW             | 30     | 37     | 45     | 45     |     |
| Motor rating<br>motor load switch AC-23 A                  | 230 V | P                                       | kW             | 30     | 30     | 37     | 55     |     |
|                                                            | 400 V | P                                       | kW             | 45     | 55     | 90     | 110    |     |
|                                                            | 690 V | P                                       | kW             | 37     | 37     | 45     | 45     |     |
| DC voltage                                                 |       |                                         |                |        |        |        |        |     |
| DC-1, load switch L/R = 1 ms                               |       | Rated operational current               | I <sub>e</sub> | A      | 125    | 160    | 250    | 315 |
| DC-1, load switch L/R = 1 ms                               |       | Voltage per contact connected in series |                | V      | 42     | 42     | 42     | 42  |
| DC-23A, motor load switch<br>L/R = 15 ms                   | 24 V  | Rated operational current               | I <sub>e</sub> | A      | 125    | 160    | 250    | 315 |
|                                                            |       | Contacts                                | Number         | 3      | 3      | 3      | 3      |     |
|                                                            | 48 V  | Rated operational current               | I <sub>e</sub> | A      | 125    | 160    | 250    | 315 |
|                                                            |       | Contacts                                | Number         | 3      | 3      | 3      | 3      |     |
|                                                            | 60 V  | Rated operational current               | I <sub>e</sub> | A      | 125    | 160    | 250    | 315 |
|                                                            |       | Contacts                                | Number         | 3      | 3      | 3      | 3      |     |
|                                                            | 120 V | Rated operational current               | I <sub>e</sub> | A      | 40     | 50     | 80     | 100 |
|                                                            |       | Contacts                                | Number         | 3      | 3      | 3      | 3      |     |

**Notes** Main switch characteristics to IEC/EN 60204; positive opening of contacts, operator element positively located on shaft  
Rated uninterrupted current  $I_u$  is specified for max. cross-section.  
For terminal capacity solid, stranded, and flexible:  
Max. 2 cross-section sizes difference admissible when using 2 conductores.

|                                               |                   |                 | HI...-P1(P3)...                                                   | HI...-P5...                      |
|-----------------------------------------------|-------------------|-----------------|-------------------------------------------------------------------|----------------------------------|
| <b>Auxiliary contacts</b>                     |                   |                 |                                                                   |                                  |
| Standards                                     |                   |                 | Control circuit isolator to IEC/EN 60947-5                        |                                  |
| Rated insulation voltage                      | U <sub>i</sub>    | V AC            | 500                                                               | 500                              |
| Rated uninterrupted current                   | I <sub>u</sub>    | A               | 10                                                                | 10                               |
| Rated operational current                     |                   |                 |                                                                   |                                  |
| AC-15 at 230 V                                | I <sub>e</sub>    | A               | 6                                                                 | 6                                |
| 400 V/415 V                                   | I <sub>e</sub>    | A               | —                                                                 | 3                                |
| DC-13                                         |                   |                 |                                                                   |                                  |
| 125 V                                         | I <sub>e</sub>    | A               | 1.1                                                               | 0.23                             |
| 250 V                                         | I <sub>e</sub>    | A               | 0.55                                                              | 0.1                              |
| Short-circuit rating                          |                   |                 |                                                                   |                                  |
| Max. fuse                                     |                   | A gG/gL         | 10                                                                | 10                               |
| Terminal capacity                             |                   |                 |                                                                   |                                  |
| Solid                                         |                   | mm <sup>2</sup> | 1 × 0.75 - 2.5<br>2 × 0.75 - 1.5                                  | 1 × 0.75 - 2.5<br>2 × 0.75 - 1.5 |
| Flexible with ferrule to DIN 46228            |                   | mm <sup>2</sup> | 1 × 0.5 - 1.5<br>2 × 0.5 - 1.5                                    | 1 × 0.5 - 1.5<br>2 × 0.5 - 1.5   |
| Tightening torque                             |                   | Nm              | 0.6                                                               | 0.8                              |
| Control circuit reliability at 24 V DC, 10 mA | Fault probability | H <sub>F</sub>  | < 10 <sup>-5</sup> , < 1 failure for 100 000 switching operations |                                  |

## P5

| Rating data for approved types<br>UL File No. E36332 |                            |       |     | P5-125                                     | P5-160            | P5-250            | P5-315            |
|------------------------------------------------------|----------------------------|-------|-----|--------------------------------------------|-------------------|-------------------|-------------------|
| <b>Contacts</b>                                      |                            |       |     |                                            |                   |                   |                   |
| Rated operational voltage                            | $U_e$                      | V     |     | 600                                        | 600               | 600               | 600               |
| Rated impulse withstand voltage <sup>1)</sup>        | $U_{imp}$                  | V AC  |     | 8000                                       | 8000              | 8000              | 8000              |
| Rated uninterrupted current <sup>2)</sup>            | $I_u$                      | A     |     | 125                                        | 160               | 250               | 300               |
| <b>Rated operational current</b>                     |                            |       |     |                                            |                   |                   |                   |
| Ampere rating                                        | Off switch                 | $I_e$ | A   | 125 <sup>2)</sup>                          | 160 <sup>2)</sup> | 250 <sup>2)</sup> | 300 <sup>2)</sup> |
|                                                      | Changeover switches        | $I_e$ | A   | 125 <sup>2)</sup>                          | 160 <sup>2)</sup> | –                 | –                 |
| Non inductive and slightly inductive loads           |                            |       |     |                                            |                   |                   |                   |
| <b>Rated switching duty</b>                          |                            |       |     |                                            |                   |                   |                   |
| DOL rating (similar to AC-3)                         |                            |       |     |                                            |                   |                   |                   |
| 3-phase, 3 pole                                      |                            |       |     |                                            |                   |                   |                   |
|                                                      | 120 V                      |       | HP  | 15                                         | 20                | 30                | 40                |
|                                                      | 240 V                      |       | HP  | 30                                         | 40                | 60                | 75                |
|                                                      | 480 V                      |       | HP  | 60                                         | 60                | 75                | 100               |
|                                                      | 600 V                      |       | HP  | 60                                         | 60                | 75                | 100               |
| <b>Short-circuit rating</b>                          |                            |       |     |                                            |                   |                   |                   |
| Max. back-up fuse, gL characteristic                 |                            |       | A   | 125                                        | 160               | 250               | 315               |
| Rated short-time withstand current (1 s current)     |                            |       | A   | 2500                                       | 3000              | 4600              | 5800              |
| <b>Terminal capacity</b>                             |                            |       |     |                                            |                   |                   |                   |
| Cu cable                                             |                            |       |     |                                            |                   |                   |                   |
| Solid or stranded for box terminal                   |                            |       | AWG | 3/0                                        | 3/0               | –                 | –                 |
|                                                      |                            |       | MCM | –                                          | –                 | 350               | 350               |
| Flexible without ferrule                             |                            |       | AWG | 2/0                                        | 2/0               | –                 | –                 |
|                                                      |                            |       | MCM | –                                          | –                 | 300               | 300               |
| Connection with cable lug or busbar                  |                            |       |     | M10 x                                      | M10 x             | M12 x             | M12 x             |
| Terminal screw                                       |                            |       | mm  | 20                                         | 20                | 20                | 20                |
| Max. width                                           |                            |       | mm  | 20                                         | 20                | 25                | 25                |
| Max. width with terminal cover                       |                            |       | mm  | 25                                         | 25                | 34                | 34                |
| Ambient temperature                                  | Open on 100 % $I_u/I_{th}$ |       |     | 50 °C over 24 hours with peaks up to 55 °C |                   |                   |                   |
|                                                      | Enclosed on 100% $I_{the}$ |       |     | 35 °C over 24 hours with peaks up to 40 °C |                   |                   |                   |

## Notes

<sup>1)</sup> Valid for mains with grounded star point, overvoltage category III, pollution degree 3<sup>2)</sup> Valid for connection with cables for 75 °C

|                                            | HI11              | HI21-P5-125(160) | HI21-P5-250(315) |
|--------------------------------------------|-------------------|------------------|------------------|
| <b>Auxiliary contacts</b>                  |                   |                  |                  |
| Standards                                  |                   |                  |                  |
| Rated insulation voltage                   | $U_i$             | V AC             | 600              |
| Rated uninterrupted current                | $I_u$             | A                | 10               |
| Rated operational current                  | $I_e$             |                  |                  |
| Pilot Duty                                 | P600              | P600             | P600             |
| Heavy Pilot Duty                           | A600              | A600             | A600             |
| General Use                                | 10 A – 600 V AC   | –                | –                |
| Ampere rating                              |                   |                  |                  |
| Non inductive and slightly inductive loads | –                 | 10               | 10               |
| <b>Short-circuit rating</b>                |                   |                  |                  |
| Max. fuse                                  | gL characteristic | A                | 16               |
| <b>Terminal capacity</b>                   |                   |                  |                  |
| Solid or stranded                          |                   | AWG              | 12               |
| Flexible without ferrule                   |                   | AWG              | 14               |

## Notes

<sup>1)</sup> Devices for world markets IEC  $\Delta$  UL/CSA



|                                                   |                             |                   | T0-...                                                                                                                              | T3-...                           |
|---------------------------------------------------|-----------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| General                                           |                             |                   |                                                                                                                                     |                                  |
| Standards                                         |                             |                   | IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL, Switch-disconnectors to IEC/EN 60947-3 Load-break switch according to IEC/EN 60947-3 |                                  |
| Lifespan, mechanical                              | Operations                  | x 10 <sup>6</sup> | 0.5                                                                                                                                 | 0.5                              |
| Maximum operating frequency                       | Operations/h                |                   | 3000                                                                                                                                | 3000                             |
| Climatic proofing                                 |                             |                   | Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclic to IEC 60068-2-30                                                         |                                  |
| Ambient temperature                               |                             |                   |                                                                                                                                     |                                  |
| Open                                              |                             | °C                | -25 - 50                                                                                                                            | -25 - 50                         |
| Enclosed                                          |                             | °C                | -25 - 40                                                                                                                            | -25 - 40                         |
| Mounting position                                 |                             |                   | Any                                                                                                                                 | Any                              |
| Mechanical shock resistance to IEC 60068-2-27     | Half-sinusoidal shock 20 ms | g                 | > 15                                                                                                                                | > 15                             |
| Contacts                                          |                             |                   |                                                                                                                                     |                                  |
| Rated operational voltage                         | U <sub>e</sub>              | V AC              | 690                                                                                                                                 | 690                              |
| Rated impulse withstand voltage                   | U <sub>imp</sub>            | V AC              | 6000                                                                                                                                | 6000                             |
| Overvoltage category/pollution degree             |                             |                   | III/3                                                                                                                               | III/3                            |
| Rated uninterrupted current                       |                             |                   |                                                                                                                                     |                                  |
| Open                                              | I <sub>u</sub>              | A                 | 20                                                                                                                                  | 32                               |
| Enclosed                                          | I <sub>u</sub>              | A                 | 20                                                                                                                                  | 32                               |
| Load rating with intermittent operation, class 12 |                             |                   |                                                                                                                                     |                                  |
| AB 25 % DF                                        |                             | x I <sub>e</sub>  | 2                                                                                                                                   | 2                                |
| AB 40 % DF                                        |                             | x I <sub>e</sub>  | 1.6                                                                                                                                 | 1.6                              |
| AB 60 % DF                                        |                             | x I <sub>e</sub>  | 1.3                                                                                                                                 | 1.3                              |
| Short-circuit rating                              |                             |                   |                                                                                                                                     |                                  |
| Fuse                                              |                             | A gG/gL           | 20                                                                                                                                  | 35                               |
| Rated short-time withstand current (1 s current)  | I <sub>cw</sub>             | A <sub>rms</sub>  | 320                                                                                                                                 | 650                              |
| Safe isolation according to EN 61140              |                             |                   |                                                                                                                                     |                                  |
| Between the contacts                              |                             | V AC              | 440                                                                                                                                 | 440                              |
| Switching angle                                   |                             | °                 | 90                                                                                                                                  | 90                               |
|                                                   |                             |                   | 60                                                                                                                                  | 60                               |
|                                                   |                             |                   | 45                                                                                                                                  | 45                               |
|                                                   |                             |                   | 30                                                                                                                                  | 30                               |
| Contact units                                     |                             |                   | Max. 11                                                                                                                             | Max. 11                          |
| Contacts with double-break                        |                             |                   | Max. 22                                                                                                                             | Max. 22                          |
| Current heat loss per contact at I <sub>e</sub>   |                             | W                 | 0.6                                                                                                                                 | 1.1                              |
| Terminal capacity                                 |                             |                   |                                                                                                                                     |                                  |
| Solid or stranded                                 |                             | mm <sup>2</sup>   | 1 x (1 - 2.5)<br>2 x (1 - 2.5)                                                                                                      | 1 x (1 - 6)<br>2 x (1 - 6)       |
| Flexible with ferrule to DIN 46228                |                             | mm <sup>2</sup>   | 1 x (0.75 - 1.5)<br>2 x (0.75 - 1.5)                                                                                                | 1 x (0.75 - 4)<br>2 x (0.75 - 4) |
| Flat terminal for rails                           |                             | mm <sup>2</sup>   |                                                                                                                                     |                                  |
| Terminal screw                                    |                             |                   | M3.5                                                                                                                                | M4                               |
| Tightening torque                                 |                             | Nm                | 1                                                                                                                                   | 2                                |

**Notes** The following applies for mechanical shock resistance: T3.../I... >12g  
Applies to T0(3).../SVB: isolating characteristics to IEC/EN 60947 for rated operational voltage U<sub>e</sub> up to 500 VAC  
The following applies to rated uninterrupted current I<sub>u</sub>of contacts: max. 95 A with T5-4-8344/I5  
The following applies for solid, stranded and flexible terminal capacities:  
T0(3), (6), (8)....: if 2 conductors are used, a max. difference of 2 cross-section sizes is permissible  
T5(B)-...: if 2 conductors are used, a max. difference of one cross-section sizes is permissible  
The following applies for part no. T8-3-8342/...: switching angle = 90° and flat conductor connection = 1 flat conductor, 25 x 5, or 2 flat conductors, 20 x 3



| T5B-...                                                                                                                             | T5-...                           | T6-3-8212/E/HI12 | T6-160-...        | T8-...                       |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------|-------------------|------------------------------|
|                                                                                                                                     |                                  |                  |                   |                              |
| IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL, Switch-disconnectors to IEC/EN 60947-3 Load-break switch according to IEC/EN 60947-3 |                                  |                  |                   |                              |
| 0.5                                                                                                                                 | 0.5                              | 0.1              | 0.1               | 0.1                          |
| 3000                                                                                                                                | 3000                             | 50               | 50                | 50                           |
| Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclic, to IEC 60068-2-30                                                        |                                  |                  |                   |                              |
|                                                                                                                                     |                                  |                  |                   |                              |
| -25 - 50                                                                                                                            | -25 - 50                         | -25 - 50         | -25 - 50          | -25 - 50                     |
| -25 - 40                                                                                                                            | -25 - 40                         | -25 - 40         | -25 - 40          | -25 - 40                     |
| Any                                                                                                                                 | Any                              | Any              | Any               | Any                          |
| > 15                                                                                                                                | > 15                             |                  |                   |                              |
|                                                                                                                                     |                                  |                  |                   |                              |
| 690                                                                                                                                 | 690                              | 690              | 690               | 690                          |
| 6000                                                                                                                                | 6000                             | 6000             | 8000              | 8000                         |
| III/3                                                                                                                               | III/3                            | III/3            | III/3             | III/3                        |
|                                                                                                                                     |                                  |                  |                   |                              |
| 63                                                                                                                                  | 100                              | 125              | 160               | 315                          |
| 63                                                                                                                                  | 100                              | 125              | 160               | 275                          |
|                                                                                                                                     |                                  |                  |                   |                              |
| 2                                                                                                                                   | 2                                | 2                | 2                 | 2                            |
| 1.6                                                                                                                                 | 1.6                              | 1.6              | 1.6               | 1.6                          |
| 1.3                                                                                                                                 | 1.3                              | 1.3              | 1.3               | 1.3                          |
|                                                                                                                                     |                                  |                  |                   |                              |
| 80                                                                                                                                  | 100                              | 200              | 160               | 315                          |
| 1300                                                                                                                                | 1850                             | 2000             | 3000              | 4200                         |
|                                                                                                                                     |                                  |                  |                   |                              |
| 440                                                                                                                                 | 440                              |                  |                   |                              |
| 90                                                                                                                                  | 90                               | 90               | 90                | 90                           |
| 60                                                                                                                                  | 60                               | 60               | 60                | 60                           |
| 45                                                                                                                                  | 45                               |                  |                   |                              |
| 30                                                                                                                                  | 30                               |                  |                   |                              |
| Max. 10                                                                                                                             | Max. 10                          | Max. 3           | Max. 3            | Max. 3                       |
| Max. 20                                                                                                                             | Max. 20                          | Max. 6           | Max. 6            | Max. 6                       |
| 4.5                                                                                                                                 | 7.5                              | 11               | 11                | 11                           |
|                                                                                                                                     |                                  |                  |                   |                              |
| 1 x (2.5 - 35)<br>2 x (2.5 - 16)                                                                                                    | 1 x (2.5 - 35)<br>2 x (2.5 - 16) | 1 x 70<br>2 x 25 | 1 x 95<br>2 x 25  | 150                          |
| 1 x (1.5 - 25)<br>2 x (1.5 - 10)                                                                                                    | 1 x (1.5 - 25)<br>2 x (1.5 - 10) | 1 x 50<br>2 x 16 | 1 x 50<br>2 x 16  | 120                          |
|                                                                                                                                     |                                  |                  |                   | 1 x (25 x 5)<br>2 x (20 x 3) |
| M6                                                                                                                                  | M6                               | M6               | M5, hexagon screw | M12                          |
| 4                                                                                                                                   | 4                                | 5.6              | 14                | 25                           |



|                                                            |                                         |                                         |                 | T0-...                                                           | T3-... |    |
|------------------------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------|------------------------------------------------------------------|--------|----|
| Switching capacity                                         |                                         |                                         |                 |                                                                  |        |    |
| AC voltage                                                 |                                         |                                         |                 |                                                                  |        |    |
| Rated making capacity cos φ = 0.35                         |                                         |                                         | A               | 130                                                              | 320    |    |
| Rated breaking capacity,<br>Motor load switch cos φ = 0.35 | 230 V                                   |                                         | A               | 100                                                              | 260    |    |
|                                                            | 400 V                                   |                                         | A               | 110                                                              | 260    |    |
|                                                            | 500 V                                   |                                         | A               | 80                                                               | 240    |    |
|                                                            | 690 V                                   |                                         | A               | 60                                                               | 170    |    |
| Rated operational current<br>load break switch AC-21A      | 440 V                                   | I <sub>e</sub>                          | A               | 20                                                               | 32     |    |
| Motor rating<br>Motor load switch AC-3                     | 230 V                                   | P                                       | kW              | 3                                                                | 6.5    |    |
|                                                            | 230 V star-delta                        | P                                       | kW              | 4                                                                | 11     |    |
|                                                            | 400/415 V                               | P                                       | kW              | 4                                                                | 12     |    |
|                                                            | 400 V star-delta                        | P                                       | kW              | 5.5                                                              | 18.5   |    |
|                                                            | 500 V                                   | P                                       | kW              | 5.5                                                              | 15     |    |
|                                                            | 500 V star-delta                        | P                                       | kW              | 7.5                                                              | 22     |    |
|                                                            | 690 V                                   | P                                       | kW              | 4                                                                | 15     |    |
|                                                            | 690 V star-delta                        | P                                       | kW              | 5.5                                                              | 22     |    |
| Motor rating<br>Motor load switch AC-23A                   | 230 V                                   | P                                       | kW              | 3.5                                                              | 7.5    |    |
|                                                            | 400/415 V                               | P                                       | kW              | 6.5                                                              | 13     |    |
|                                                            | 500 V                                   | P                                       | kW              | 7.5                                                              | 15     |    |
|                                                            | 690 V                                   | P                                       | kW              | 6.5                                                              | 15     |    |
| Rated operational current<br>Control switch AC-15          | 230 V                                   | I <sub>e</sub>                          | A               | 6                                                                | 10     |    |
|                                                            | 400/415 V                               | I <sub>e</sub>                          | A               | 4                                                                | 6      |    |
|                                                            | 500 V                                   | I <sub>e</sub>                          | A               | 2                                                                | 4      |    |
| DC voltage                                                 |                                         |                                         |                 |                                                                  |        |    |
| DC-1, load switch L/R = 1 ms                               | Rated operational current               | I <sub>e</sub>                          | A               | 10                                                               | 25     |    |
|                                                            | Voltage per contact connected in series |                                         | V               | 60                                                               | 60     |    |
| DC-21A                                                     | Rated operational current 240 V         | I <sub>e</sub>                          | A               | 1                                                                | 1      |    |
|                                                            | 240 V contacts                          |                                         | Number          | 1                                                                | 1      |    |
| DC-23A, motor load switch<br>L/R = 15 ms                   | 24 V                                    | Rated operational current               | I <sub>e</sub>  | A                                                                | 10     | 25 |
|                                                            |                                         | Contacts                                |                 | Number                                                           | 1      | 1  |
|                                                            | 48 V                                    | Rated operational current               | I <sub>e</sub>  | A                                                                | 10     | 25 |
|                                                            |                                         | Contacts                                |                 | Number                                                           | 2      | 2  |
|                                                            | 60 V                                    | Rated operational current               | I <sub>e</sub>  | A                                                                | 10     | 25 |
|                                                            |                                         | Contacts                                |                 | Number                                                           | 3      | 3  |
|                                                            | 120 V                                   | Rated operational current               | I <sub>e</sub>  | A                                                                | 5      | 12 |
|                                                            |                                         | Contacts                                |                 | Number                                                           | 3      | 3  |
|                                                            | 240 V                                   | Rated operational current               | I <sub>e</sub>  | A                                                                | 5      | 5  |
|                                                            |                                         | Contacts                                |                 | Number                                                           | 5      | 5  |
|                                                            | DC-13, control switch L/R = 50 ms       | Rated operational current               | I <sub>e</sub>  | A                                                                | 10     | 20 |
|                                                            |                                         | Voltage per contact connected in series |                 | V                                                                | 32     | 32 |
| Control circuit reliability at 24 V DC, 10 mA              |                                         | Fault probability                       | H <sub>F</sub>  | < 10 <sup>-5</sup> , < 1 failure for 100000 switching operations |        |    |
| Auxiliary contacts                                         |                                         |                                         |                 |                                                                  |        |    |
| Standards                                                  |                                         |                                         |                 |                                                                  |        |    |
| Rated insulation voltage                                   |                                         | U <sub>i</sub>                          | V AC            | —                                                                | —      |    |
| Rated uninterrupted current                                |                                         | I <sub>u</sub>                          | A               | —                                                                | —      |    |
| Rated operational current                                  |                                         |                                         |                 |                                                                  |        |    |
| AC-15 at 230 V                                             |                                         | I <sub>e</sub>                          | A               | —                                                                | —      |    |
| 400 V/415 V                                                |                                         | I <sub>e</sub>                          | A               | —                                                                | —      |    |
| Short-circuit rating                                       |                                         |                                         |                 |                                                                  |        |    |
| Max. fuse                                                  |                                         |                                         | A gG/gL         | —                                                                | —      |    |
| Terminal capacity                                          |                                         |                                         |                 |                                                                  |        |    |
| Solid                                                      |                                         |                                         | mm <sup>2</sup> | —                                                                | —      |    |
| Flexible with ferrule to DIN 46228                         |                                         |                                         | mm <sup>2</sup> | —                                                                | —      |    |
| Tightening torque                                          |                                         |                                         | Nm              |                                                                  |        |    |
| Control circuit reliability at 24 V DC, 10 mA              |                                         | Fault probability                       | H <sub>F</sub>  | —                                                                | —      |    |



| T5B-...                                                          | T5-... | T6-3-8212/E/HI12                                                  | T6-160-...                                   | T8-... |
|------------------------------------------------------------------|--------|-------------------------------------------------------------------|----------------------------------------------|--------|
|                                                                  |        |                                                                   |                                              |        |
| 800                                                              | 950    | 1600                                                              | 1600                                         | 2390   |
| 520                                                              | 760    | 1280                                                              | 1280                                         | 1910   |
| 600                                                              | 740    | 900                                                               | 900                                          | 1800   |
| 480                                                              | 590    | 880                                                               | 880                                          | 1200   |
| 340                                                              | 420    | 340                                                               | 340                                          | 420    |
| 63                                                               | 100    | 125                                                               | 160                                          | 315    |
| 15                                                               | 22     | 22                                                                | 22                                           | 22     |
| 22                                                               | 30     | 22                                                                | 22                                           | 37     |
| 22                                                               | 30     | 37                                                                | 45                                           | 55     |
| 37                                                               | 45     | 37                                                                | 45                                           | 55     |
| 22                                                               | 37     | 37                                                                | 37                                           | 37     |
| 37                                                               | 55     | 37                                                                | 37                                           | 37     |
| 22                                                               | 30     | 22                                                                | 22                                           | 37     |
| 37                                                               | 45     | 22                                                                | 22                                           | 37     |
| 15                                                               | 18.5   | 37                                                                | 37                                           | 75     |
| 22                                                               | 30     | 45                                                                | 55                                           | 132    |
| 22                                                               | 37     | 55                                                                | 75                                           | 132    |
| 22                                                               | 30     | 30                                                                | 30                                           | 37     |
| 16                                                               | 16     | –                                                                 | –                                            | –      |
| 6                                                                | 6      | –                                                                 | –                                            | –      |
| 4                                                                | 4      | –                                                                 | –                                            | –      |
| 63                                                               | 80     | 125                                                               | 125                                          | 315    |
| 60                                                               | 60     | 42                                                                | 42                                           | 42     |
| 50                                                               | –      | 125                                                               | 125                                          | 250    |
| 1                                                                | –      | 1                                                                 | 1                                            | 1      |
| 50                                                               | –      | 125                                                               | 125                                          | 250    |
| 2                                                                | –      | 2                                                                 | 2                                            | 2      |
| 50                                                               | –      | 125                                                               | 125                                          | 125    |
| 3                                                                | –      | 3                                                                 | 3                                            | 3      |
| 25                                                               | –      | 50                                                                | 50                                           | 50     |
| 3                                                                | –      | 3                                                                 | 3                                            | 3      |
| 20                                                               | –      | –                                                                 | –                                            | –      |
| 6                                                                | –      | –                                                                 | –                                            | –      |
| 25                                                               | –      | 125                                                               | 125                                          | 250    |
| 24                                                               | –      | 24                                                                | 24                                           |        |
| < 10 <sup>-5</sup> , < 1 failure for 100000 switching operations |        |                                                                   |                                              |        |
|                                                                  |        | Control circuit isolator to IEC/EN 60947-5 f                      | Control circuit isolator to IEC/EN 60947-5 f |        |
| –                                                                | –      | 500                                                               | 500                                          | –      |
| –                                                                | –      | 10                                                                | 10                                           | –      |
| –                                                                | –      | 6                                                                 | 6                                            | –      |
| –                                                                | –      | 4                                                                 | 4                                            | –      |
| –                                                                | –      | 10                                                                | 10                                           | –      |
| –                                                                | –      | 0.75 - 2.5                                                        | 0.75 - 2.5                                   | –      |
| –                                                                | –      | 0.5 - 1.5                                                         | 0.5 - 1.5                                    | –      |
| –                                                                | –      | 0.35                                                              | 0.35                                         |        |
| –                                                                | –      | < 10 <sup>-5</sup> , < 1 failure for 100 000 switching operations |                                              |        |



## T

## Approvals for North America



| Rating data for approved types <sup>1)</sup><br>UL File No. E36332 |          |          |          | T0-...         | T3-... | T5B-... |
|--------------------------------------------------------------------|----------|----------|----------|----------------|--------|---------|
| <b>Contacts</b>                                                    |          |          |          |                |        |         |
| Rated operational voltage U <sub>e</sub>                           |          | V AC     |          | 600            | 600    | 600     |
| Rated uninterrupted current I <sub>u</sub>                         |          |          |          |                |        |         |
| Current rating                                                     |          | A        |          | 16             | 25     | 65      |
| Pilot Duty                                                         |          |          |          | A 600<br>P 600 | A 600  |         |
| <b>Switching capacity</b>                                          |          |          |          |                |        |         |
| AC-3; max. rated power<br>40 – 60 Hz AC motors                     |          |          |          |                |        |         |
| 3-phase                                                            | 200 V AC | HP       |          | 3              | 5      | 15      |
|                                                                    | 230 V AC | HP       |          | 3              | 7½     | 15      |
|                                                                    | 460 V AC | HP       |          | 10             | 15     | 40      |
|                                                                    | 575 V AC | HP       |          | 10             | 15     | 50      |
| Single-phase                                                       | 115 V AC | HP       |          | 1              | 1½     | 3       |
|                                                                    | 200 V AC | HP       |          | 2              | 3      | 7½      |
|                                                                    | 230 V AC | HP       |          | 2              | 3      | 10      |
| Short-circuit rating                                               |          |          |          |                |        |         |
| Standard                                                           |          | 600 V AC | kA       | 5              | 5      | 5       |
| With back-up fuse                                                  |          |          | A        | 50             | 80     | CLASS J |
| With circuit-breakers                                              |          |          | Part no. | NZMH6          | NZMH6  | –       |
| Current setting                                                    |          |          | A        | 50             | 125    | –       |
| Disconnect in motor circuits                                       |          | 600 V AC | kA       | 10             | 10     | –       |
| With back-up fuse                                                  |          |          | Class    | 20 A/J         | 40 A/J | –       |
| <b>Terminal capacity</b>                                           |          |          |          |                |        |         |
| Terminal capacity                                                  |          |          |          |                |        |         |
| Cu cable                                                           | Min.     | AWG      |          | 18             | 14     | 12      |
|                                                                    | Max.     | AWG      |          | 14             | 10     | 4       |
| Tightening torque                                                  |          | Max.     | in-lb    | 8.8            | 17.6   | 35.3    |

## Notes

<sup>1)</sup> Devices for world markets IEC ≙ UL/CSA.

Accessories → Cam switches for the German market.

If required, order English language front plate from the German market product range.

Do not use AW extension terminals where UL/CSA approval is required.

|                     | UL approved protection types |            |            |
|---------------------|------------------------------|------------|------------|
|                     | UL/NEMA 1                    | UL/NEMA 3R | UL/NEMA 12 |
| Cam switches        |                              |            |            |
| T0-.../E; /Z; /SVB  | •                            | •          | •          |
| T3-.../E; /Z; /SVB  | •                            | •          | •          |
| T5B-.../E; /Z; /SVB | •                            | •          | •          |

## Notes

Protection type explanations → Chapter 23, Enclosure protection types as defined in NEC (NFPA 70), UL, CSA, NEMA

## T cam switches in NA version

In its NA version, the cam switch features a terminal inscription in English and/or a terminal inscription deviating from the IEC standard. Switches in mounting types I2 to I4 feature an additional inscription on the enclosure's front (e.g. part no. and protection type). Not possible in combination with key operation lock mechanism S-T0; SVA-T3, and SVC-T3.

An overview of these cam switches can be found in the instructional leaflet AWA 1150-2327.

| Catalog No.:                 | T0            | T3               | T5B              |
|------------------------------|---------------|------------------|------------------|
| <b>Mounting type</b>         |               |                  |                  |
| /E; /EA; /EZ<br>/Z; /N; /IVS | +NA<br>105864 | +NA<br>105864    |                  |
| /I2                          |               | +NA-I2<br>105866 |                  |
| /I4                          |               |                  |                  |
| /I5                          |               |                  | +NA-I5<br>105869 |

|                                                 |                                         |                   |         | TM                                                                                                                    |
|-------------------------------------------------|-----------------------------------------|-------------------|---------|-----------------------------------------------------------------------------------------------------------------------|
| <b>General</b>                                  |                                         |                   |         |                                                                                                                       |
| Standards                                       |                                         |                   |         | IEC/EN 60947, VDE 0660 UL, CSA<br>Control switch to IEC/EN 60947-5-1<br>Control circuit isolators to IEC/EN 60947-5-1 |
| Control circuit isolator (IEC/EN 60947-5-1)     |                                         |                   |         | Max. 6 contacts; switching angle: 90°                                                                                 |
| Lifespan, mechanical                            | Operations                              | x 10 <sup>6</sup> |         | > 1                                                                                                                   |
| Maximum operating frequency                     | Operations/h                            |                   |         | 3000                                                                                                                  |
| Climatic proofing                               |                                         |                   |         | Damp heat, constant, to IEC 60068-2-78;<br>Damp heat, cyclical, to IEC 60068-2-30                                     |
| Ambient temperature                             |                                         |                   |         |                                                                                                                       |
| Open                                            |                                         | °C                |         | -25....50                                                                                                             |
| Enclosed                                        |                                         | °C                |         | -25....40                                                                                                             |
| Mounting position                               |                                         |                   |         | Any                                                                                                                   |
| Terminal capacity                               |                                         |                   |         |                                                                                                                       |
| Solid                                           |                                         | mm <sup>2</sup>   |         | 1 x 1.5<br>2 x 1.5                                                                                                    |
| Flexible without ferrule                        |                                         | mm <sup>2</sup>   |         | 1 x 1.5<br>2 x 1.5                                                                                                    |
| Solid or stranded                               |                                         | AWG               |         | 1 x 14<br>2 x 14                                                                                                      |
| Flexible                                        |                                         | AWG               |         | 1 x 16<br>2 x 16                                                                                                      |
| Terminal screw                                  |                                         |                   |         | M2.5                                                                                                                  |
| Tightening torque                               |                                         | Nm                |         | 0.35                                                                                                                  |
| <b>Contacts</b>                                 |                                         |                   |         |                                                                                                                       |
| Mechanical data                                 |                                         |                   |         |                                                                                                                       |
| Contacts                                        |                                         | Number            |         | Max. 16                                                                                                               |
| Contact units (BE)                              |                                         |                   |         | Max. 8                                                                                                                |
| Switching angle                                 |                                         | °                 |         | 90<br>60<br>45<br>30                                                                                                  |
| Smallest switching angle for ON-OFF-ON          |                                         | °                 |         | 60                                                                                                                    |
| Max. switch position                            |                                         |                   |         | ≤ 12                                                                                                                  |
| Electrical characteristics                      |                                         |                   |         |                                                                                                                       |
| Rated operational voltage                       | U <sub>e</sub>                          | V AC              |         | 500                                                                                                                   |
| Rated impulse withstand voltage                 | U <sub>imp</sub>                        | V AC              |         | 4000                                                                                                                  |
| Overvoltage category/pollution degree           |                                         |                   |         | III/3                                                                                                                 |
| Rated insulation voltage                        | U <sub>i</sub>                          | V AC              |         | 500                                                                                                                   |
| Rated insulation voltage to UL/CSA              |                                         | V AC              |         | 300                                                                                                                   |
| Rated uninterrupted current                     | I <sub>u</sub>                          | A                 |         | 10                                                                                                                    |
| Switching capacity                              |                                         |                   |         |                                                                                                                       |
| AC-23 motor load switch                         | 230 V AC, 3 pole                        |                   | kW      | 1.8                                                                                                                   |
|                                                 | 440 V AC, 3 pole                        |                   | kW      | 3                                                                                                                     |
|                                                 | 230 V AC, 1 pole                        |                   | kW      | 0.75                                                                                                                  |
|                                                 | 440 V AC, 1 pole                        |                   | kW      | 1.1                                                                                                                   |
| AC-15 control switch                            | 230 V AC, 1 pole                        |                   | A       | 2.5                                                                                                                   |
|                                                 | 400 V AC, 1 pole                        |                   | A       | 1.5                                                                                                                   |
|                                                 | 440 V AC, 1 pole                        |                   | A       | 1                                                                                                                     |
| DC-13, control switch L/R = 50 ms               | Rated operational current               | I <sub>e</sub>    | A       | 3                                                                                                                     |
|                                                 | Voltage per contact connected in series |                   | V       | 32                                                                                                                    |
| Switching capacity<br>(UL489, CSA 22.2 No. 5.1) | 240 V AC, 3 pole                        |                   | HP      | 1                                                                                                                     |
|                                                 | 277 V AC, 1 pole                        |                   | HP      | ¾                                                                                                                     |
|                                                 | 300 V AC Heavy duty                     |                   | A       | 10                                                                                                                    |
| Max. short-circuit protective device            |                                         |                   |         |                                                                                                                       |
| Fuse                                            |                                         |                   | A gG/gL | 10                                                                                                                    |
| Control circuit reliability at 24 V DC, 10 mA   | Fault probability                       | H <sub>f</sub>    |         | < 10 <sup>-5</sup> , < 1 failure for 100000 switching cycles                                                          |

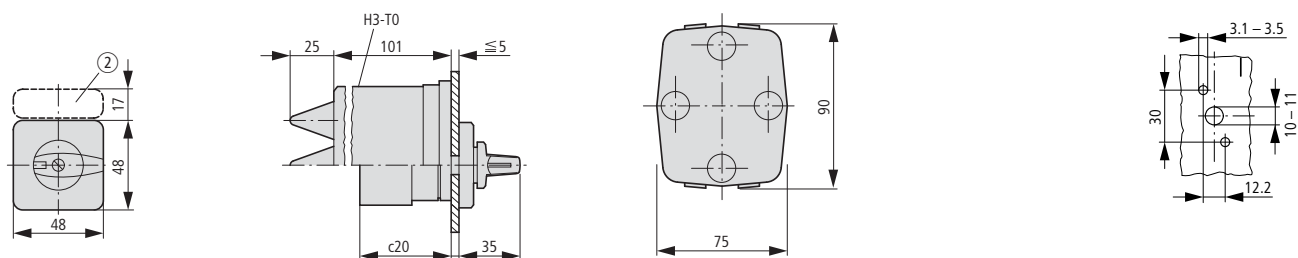


## Dimensions

### Flush mounting

T0.../E (+ H3-T0)  
T3.../E (+ H3-T0)

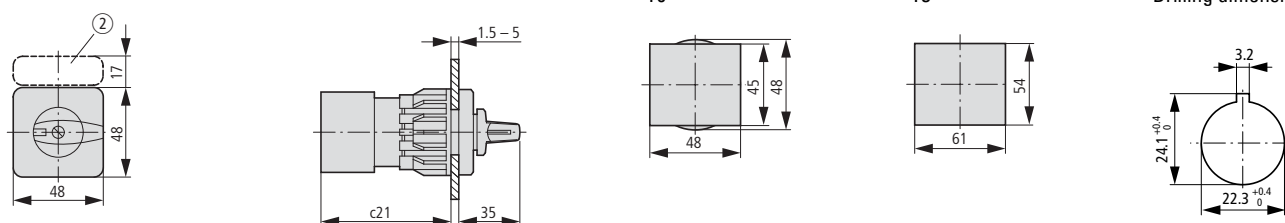
### Drilling dimensions



### Center mounting

T0.../EZ  
T3.../EZ

### Drilling dimensions



| Part no. | c20 | c21 |
|----------|-----|-----|
| T0-1...  | 41  | 61  |
| T0-2...  | 50  | 70  |
| T0-3...  | 60  | 80  |
| T0-4...  | 69  | 89  |
| T0-5...  | 79  | 99  |
| T0-6...  | 88  | 108 |
| T0-7...  | 98  | 118 |
| T0-8...  | 107 | 127 |
| T0-9...  | 117 | 137 |
| T0-10... | 126 | 146 |
| T0-11... | 136 | 156 |

Depth of one contact unit: 9.5 mm

| Part no. | c20 | c21 |
|----------|-----|-----|
| T3-1...  | 44  | 64  |
| T3-2...  | 56  | 76  |
| T3-3...  | 67  | 87  |
| T3-4...  | 79  | 99  |
| T3-5...  | 90  | 110 |
| T3-6...  | 102 | 122 |
| T3-7...  | 113 | 133 |
| T3-8...  | 125 | 145 |
| T3-9...  | 136 | 156 |
| T3-10... | 148 | 168 |
| T3-11... | 159 | 179 |

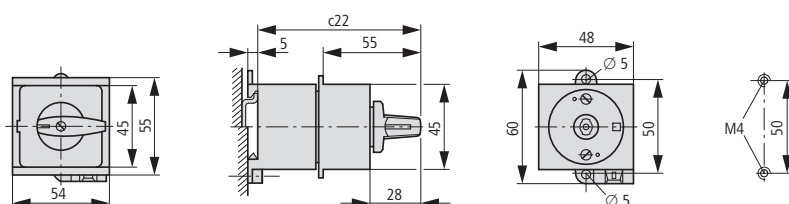
Depth of one contact unit: 11.5 mm

② Not included as standard

### Service distribution board mounting

T0.../IVS

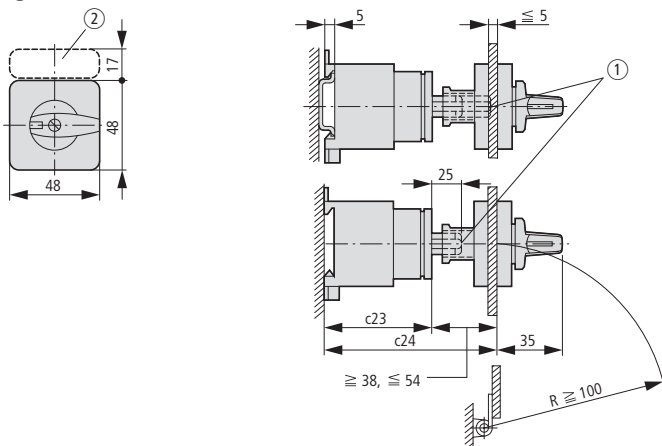
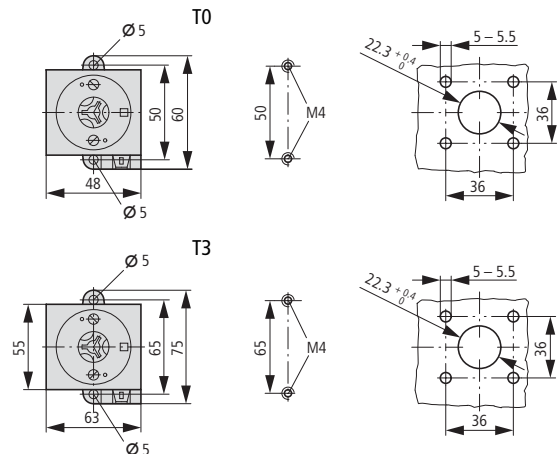
### Drilling dimensions base



## Rear mounting

T0.../Z  
T3.../Z

① Extension with

ZAV-T0 possible,  
≤ 4 x 25 = 100 mmDrilling  
dimensions  
baseDrilling  
dimensions  
door

| Part no. | c20 | c21 | c22 | c23 | c24<br>≥/≤ | c24 with<br>≤ 4 ZAV | c25 |
|----------|-----|-----|-----|-----|------------|---------------------|-----|
| T0-1...  | 41  | 61  | 77  | 48  | 86 – 102   | 202                 | 72  |
| T0-2...  | 50  | 70  | 87  | 57  | 96 – 112   | 212                 | 72  |
| T0-3...  | 60  | 80  | 96  | 67  | 105 – 121  | 221                 | 91  |
| T0-4...  | 69  | 89  | 106 | 76  | 115 – 131  | 231                 | 91  |
| T0-5...  | 79  | 99  | 115 | 86  | 124 – 140  | 240                 | –   |
| T0-6...  | 88  | 108 | 125 | 95  | 134 – 150  | 250                 | –   |
| T0-7...  | 98  | 118 | 134 | 105 | 143 – 159  | 259                 | –   |
| T0-8...  | 107 | 127 | 144 | 114 | 153 – 169  | 269                 | –   |
| T0-9...  | 117 | 137 | 154 | 124 | 162 – 178  | 278                 | –   |
| T0-10... | 126 | 146 | 163 | 133 | 172 – 188  | 288                 | –   |
| T0-11... | 136 | 156 | 173 | 143 | 181 – 197  | 297                 | –   |

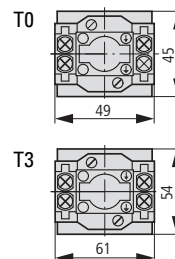
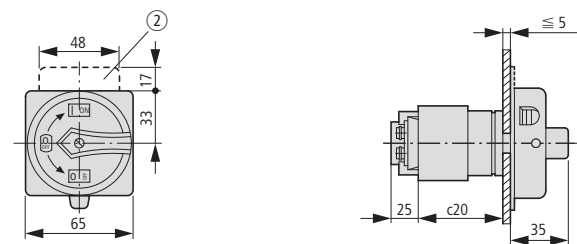
Depth of one contact unit: 9.5 mm

② Not included as standard

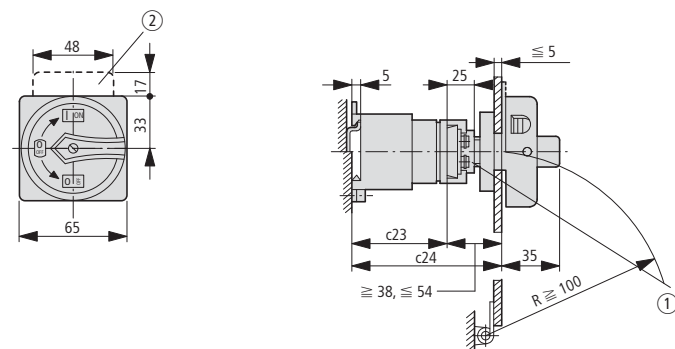
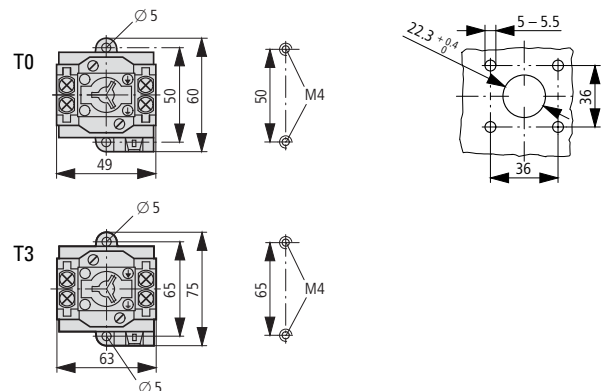
| Part no. | c20 | c21 | c22 | c23 | c24<br>≥/≤ | c24 with<br>≤ 4 ZAV | c25 |
|----------|-----|-----|-----|-----|------------|---------------------|-----|
| T3-1...  | 44  | 64  | 80  | 51  | 86 – 105   | 205                 | 79  |
| T3-2...  | 56  | 76  | 92  | 63  | 101 – 115  | 216                 | 79  |
| T3-3...  | 67  | 87  | 103 | 74  | 112 – 128  | 228                 | 101 |
| T3-4...  | 79  | 99  | 115 | 86  | 124 – 139  | 239                 | 101 |
| T3-5...  | 90  | 110 | 126 | 97  | 135 – 151  | 251                 | –   |
| T3-6...  | 102 | 122 | 138 | 109 | 147 – 162  | 262                 | –   |
| T3-7...  | 113 | 133 | 149 | 120 | 158 – 174  | 274                 | –   |
| T3-8...  | 125 | 145 | 161 | 132 | 170 – 185  | 285                 | –   |
| T3-9...  | 136 | 156 | 172 | 143 | 181 – 196  | 296                 | –   |
| T3-10... | 148 | 168 | 184 | 155 | 193 – 208  | 308                 | –   |
| T3-11... | 159 | 179 | 195 | 166 | 204 – 219  | 319                 | –   |

Depth of one contact unit: 11.5 mm

## Flush mounting main switch

T0.../EA/SVB  
T3.../EA/SVBDrilling  
dimensions  
door

## Rear mounting main switches

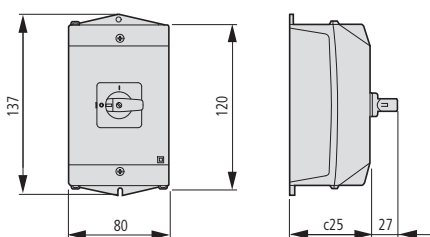
T0.../V/SVB  
T3.../V/SVBDrilling  
dimensions  
baseDrilling  
dimensions  
door

① Interlock extension possible with ZVV-T0 + ZAV-T0, F 4 x 25 = 100 mm

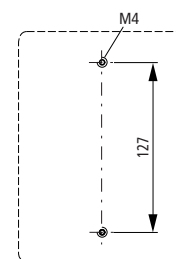
② Not included as standard

#### Surface mounting

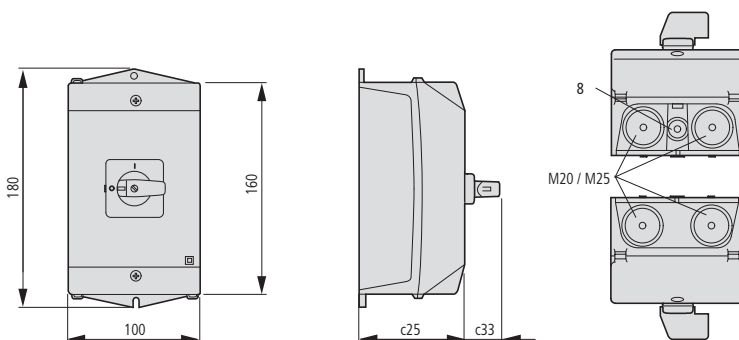
T0.../I1



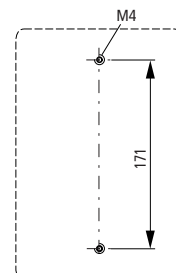
Drilling dimensions  
base



T3.../I2

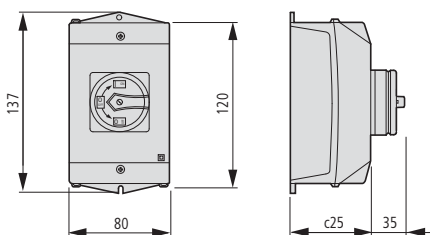


Drilling dimensions  
base

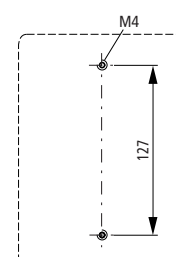


#### Surface mounting main switches

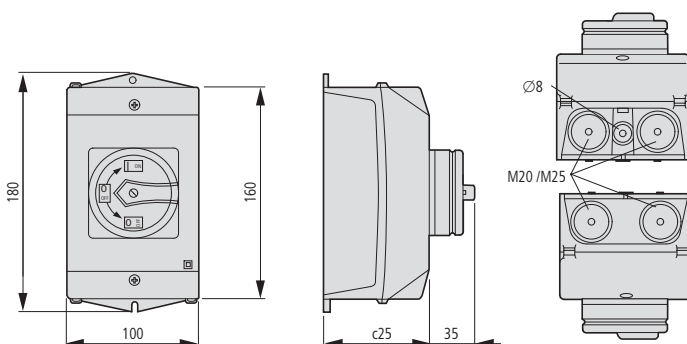
T0.../I1/padlock facility



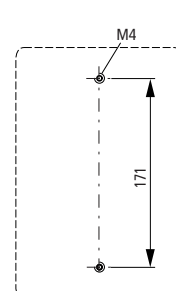
Drilling dimensions  
base



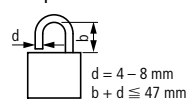
T3.../I2/SVB



Drilling dimensions  
base



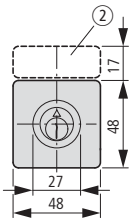
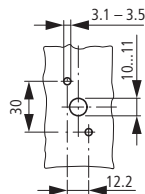
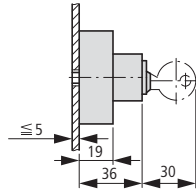
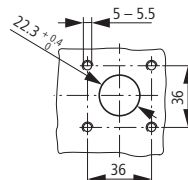
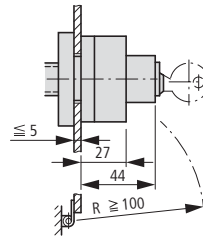
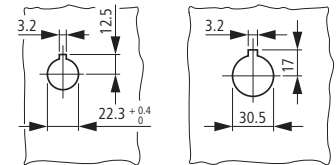
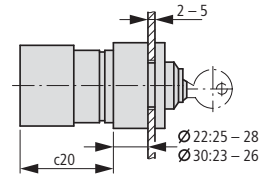
≤ 3 padlocks



| Part no. | c25 |
|----------|-----|
| T0-1...  | 75  |
| T0-2...  | 75  |
| T0-3...  | 95  |
| T0-4...  | 95  |

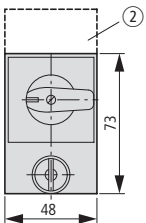
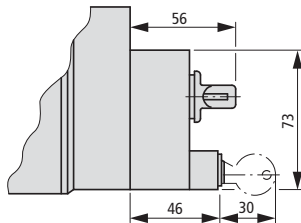
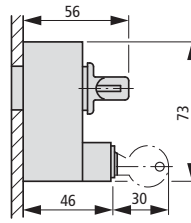
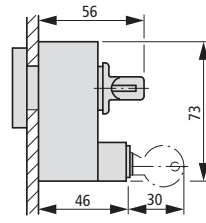
| Part no. | c25 | c33 |
|----------|-----|-----|
| T3-1...  | 80  | 27  |
| T3-2...  | 80  | 27  |
| T3-3...  | 100 | 35  |
| T3-4...  | 100 | 35  |
| T3-5...  | 145 | 35  |

## Key operated lock mechanism

S-T0  
S-SOND...-T0T0.../E(I1) + S-(SOND-)T0  
T3.../E(I2) + S-(SOND-)T0T0.../Z + S-(SOND-)T0  
T3.../Z + S-(SOND-)T0T0.../EZ = T0.../E + EZ-T0 + S-(SOND-)T0  
T3.../EZ = T3.../E + EZ-T0 + S-(SOND-)T0

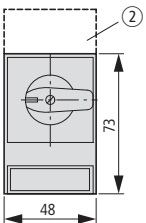
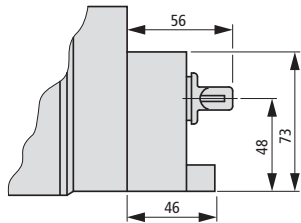
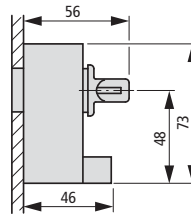
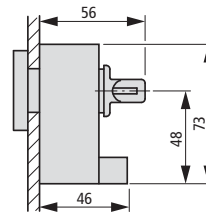
## Cylinder lock

SVA-T3

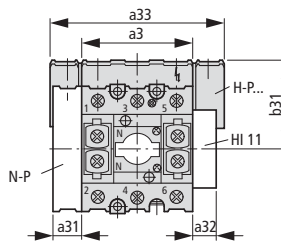
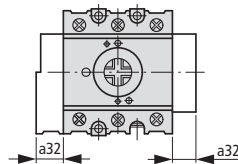
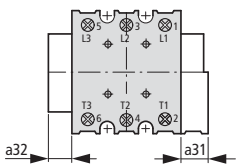
T0.../I1/SVA  
T3.../I2/SVA  
P1.../I2/SVAT0.../E/SVA...  
T3.../E/SVA...  
P1.../E/SVAT0.../Z/SVA...  
T3.../Z/SVA...  
P1.../Z/SVA

## Padlocking feature

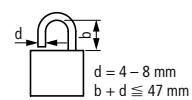
SVC-T3

T0.../I1/SVC  
T3.../I2/SVC  
P1.../I2/SVCT0.../E/SVC...  
T3.../E/SVC...  
P1.../E/SVCT0.../Z/SVC...  
T3.../Z/SVC...  
P1.../Z/SVC

## Modules

Switched neutral conductor N-P...  
Auxiliary contacts HI 11-P1/P3

≤ 3 padlocks



| Part no. | a3 | a31 | a32 | a33 | b31 |
|----------|----|-----|-----|-----|-----|
| P1-...   | 49 | 15  | 15  | 83  | 49  |
| P3-..    | 72 | 18  | 15  | 114 | 60  |

② Not included as standard

### Flush mounting T5(B)../E

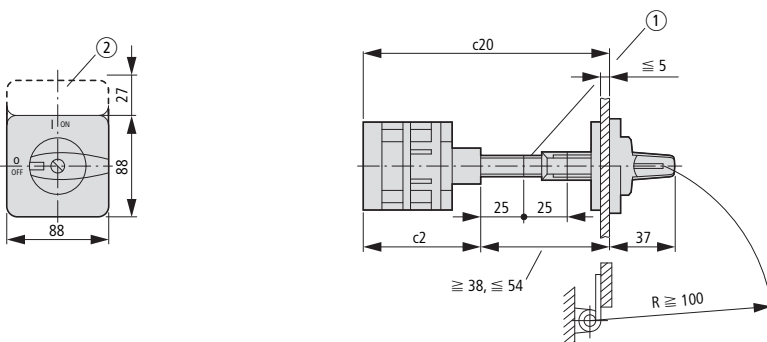
### Drilling dimensions door



### Rear mounting T5(B)../Z

### Drilling dimensions base

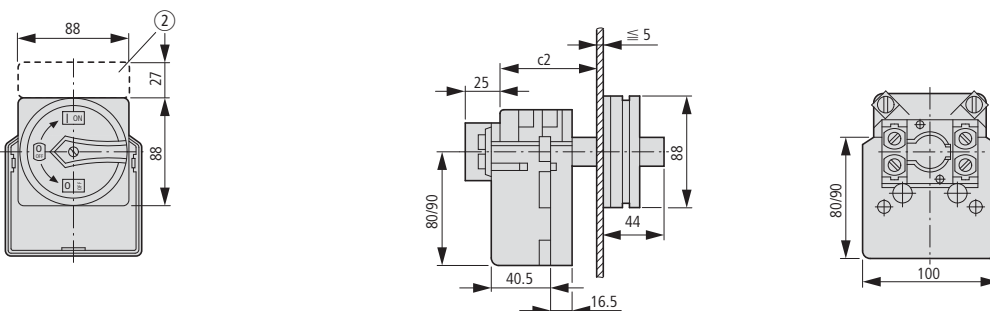
### Drilling dimensions door



① Shaft extension possible with ZAV-P3 F 4 x 25 = 100 mm

### Flush mounting main switches T5(B)../EA/SVB

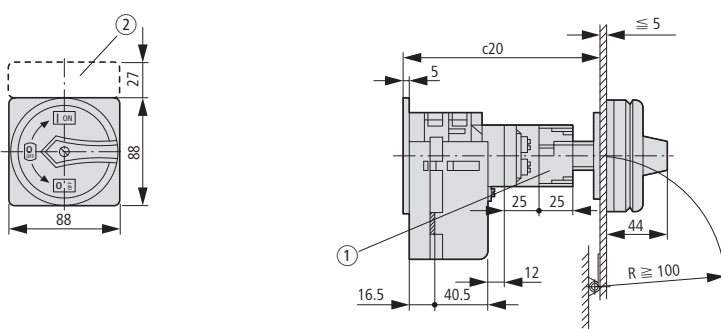
### Drilling dimensions door



### Rear mounting main switches T5(B)../V/SVB

### Drilling dimensions base

### Drilling dimensions door



| Part no.    | c2  | c20<br>≧/≦ | c20 with<br>≦ 4 ZAV | c21 | c22       |
|-------------|-----|------------|---------------------|-----|-----------|
| T5(B)-1...  | 54  | 92 – 107   | 207                 | 90  | 125 (95)  |
| T5(B)-2...  | 71  | 109 – 124  | 224                 | 90  | 125 (95)  |
| T5(B)-3...  | 87  | 125 – 140  | 240                 | 123 | 160 (160) |
| T5(B)-4...  | 104 | 142 – 157  | 257                 | 123 | 160 (160) |
| T5(B)-5...  | 120 | 158 – 173  | 273                 | —   | —         |
| T5(B)-6...  | 137 | 175 – 190  | 290                 | —   | —         |
| T5(B)-7...  | 153 | 191 – 206  | 306                 | —   | —         |
| T5(B)-8...  | 170 | 208 – 223  | 323                 | —   | —         |
| T5(B)-9...  | 186 | 224 – 239  | 339                 | —   | —         |
| T5(B)-10... | 203 | 240 – 356  | 356                 | —   | —         |

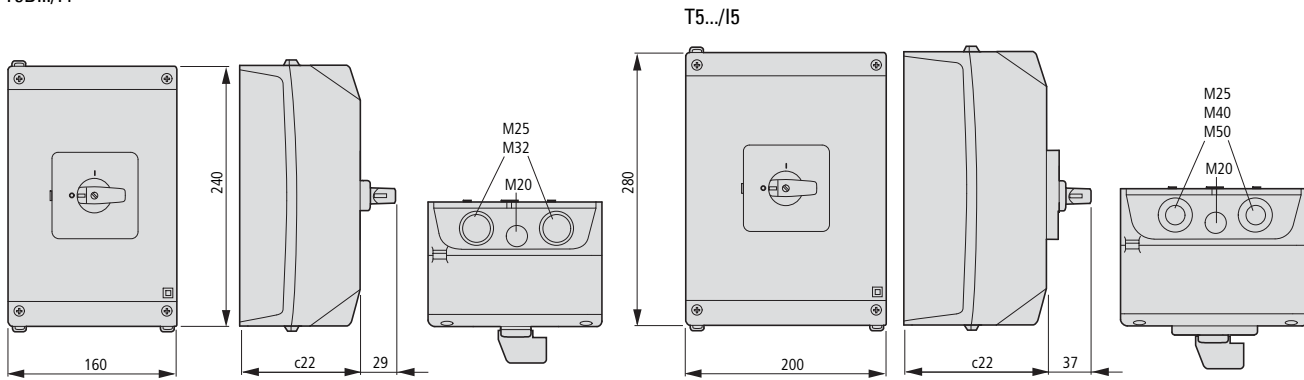
Depth of one contact unit: 16.5 mm

① Extension possible with ZVV-P3, ≦ 4 x 25 = 100 mm

② Not included as standard

Cam switches T5B and T5 have identical designs, only their contacts are different

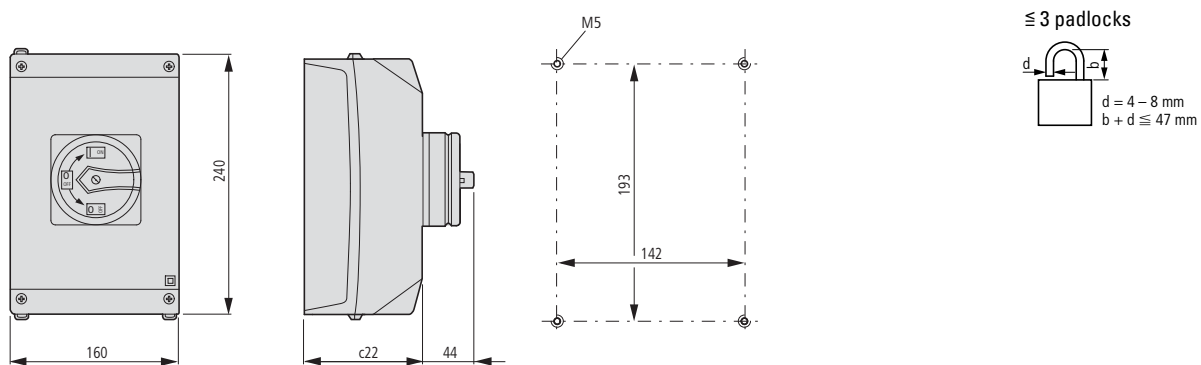
#### Surface mounting T5B.../I4



#### Surface mounting main switches

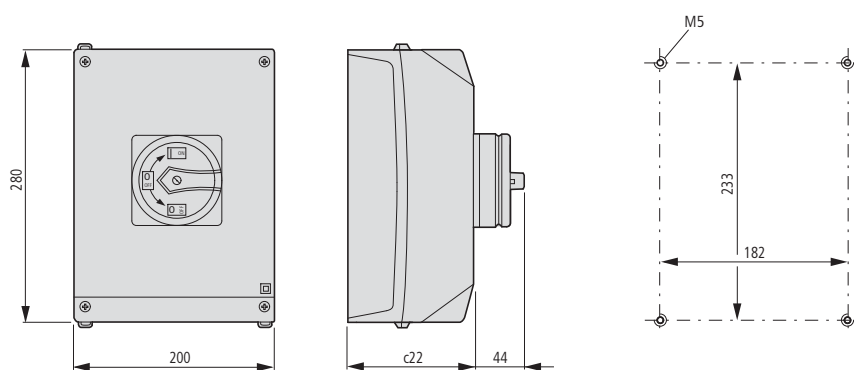
##### T5B.../I4/SVB

##### Drilling dimensions



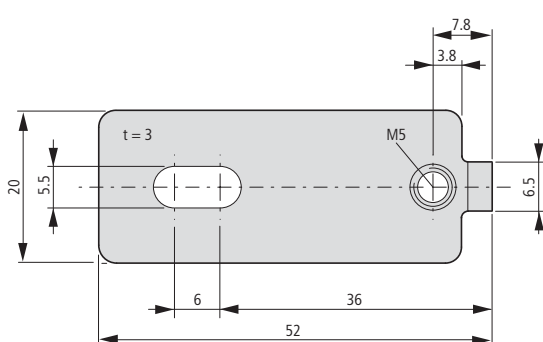
##### T5.../I5/SVB

##### Drilling dimensions



#### External fixing brackets

##### AB-CI-K415



| Part no.   | c22 |
|------------|-----|
| T5(B)-1... | 125 |
| T5(B)-2... | 125 |
| T5(B)-3... | 160 |
| T5(B)-4... | 160 |

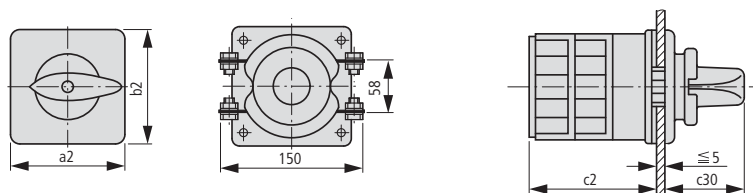
Depth of one contact unit: 16.5 mm

Cam switches T5B and T5 have identical designs, only their contacts are different



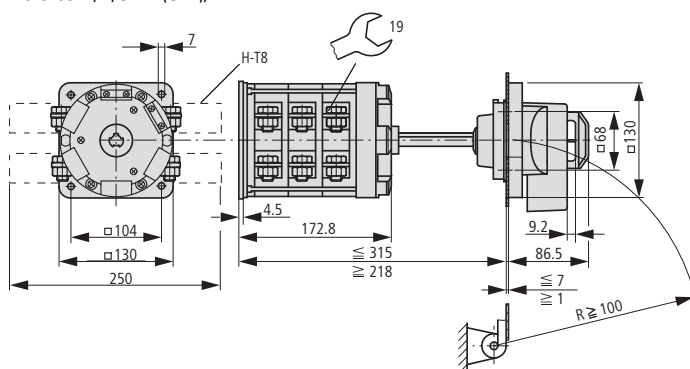
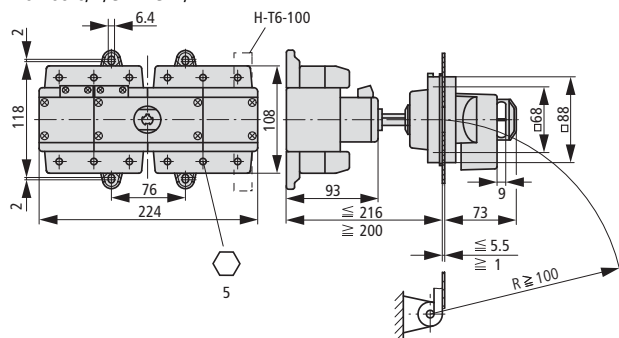
### Flush mounting

T6-3-8212/E/HI12  
T8-3-8212/E/HI12



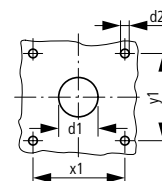
T6-160-6/V/SVB-SW/HI11

T8-8342/V/SVB-(SW)/HI11



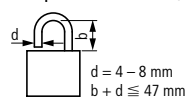
| Part no.                  | a2  | b2  | c2  | c30 | d1        | d2    | x1  | y1  |
|---------------------------|-----|-----|-----|-----|-----------|-------|-----|-----|
| T6-3-8212/E/HI12          | 88  | 88  | 152 | 44  | Ø 26 – 30 | Ø 6.0 | 68  | 68  |
| T8-3-8212/E/HI12          | 130 | 130 | 173 | 62  | Ø 22 – 25 | Ø 7.0 | 104 | 104 |
| T8-3-8342/V/SVB-(SW)/HI11 | —   | —   | —   | —   | Ø 26 – 30 | Ø 7.0 | 68  | 68  |

### Drilling dimensions door



T6: 4 M5 x 20  
T8: 4 M6 x 20

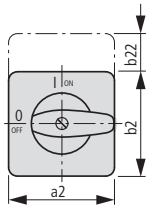
### ≤ 3 padlocks for T.../SVB



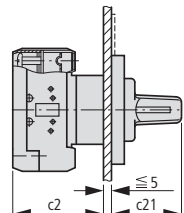
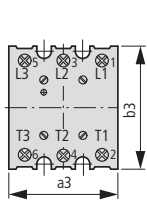
### Flush mounting

### Center mounting

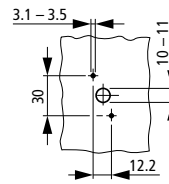
P.../E



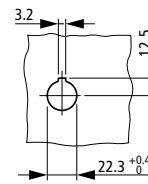
P1.../EZ


$$P1.../EZ = c2 + 5 \text{ mm}$$

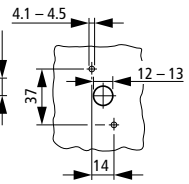
Drilling dimensions  
door  
P1-.../E



P1-.../EZ

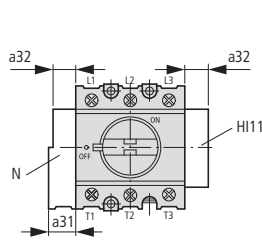
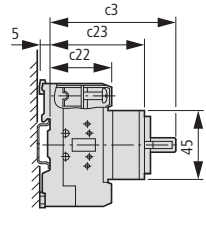
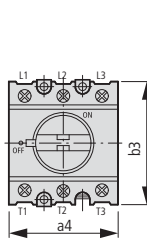


P3-.../E

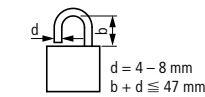


### Service distribution board flush mounting

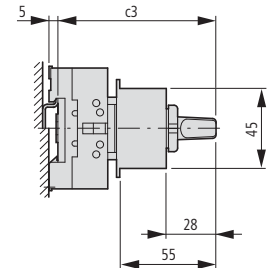
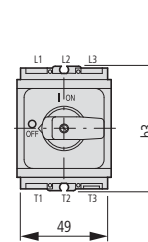
P3.../IVS



≤ 3 padlocks

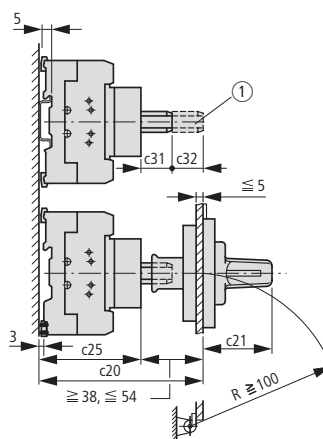
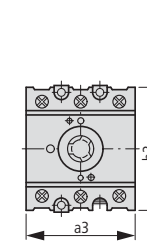
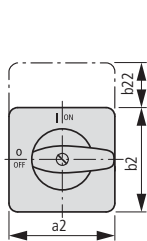


P1.../IVS

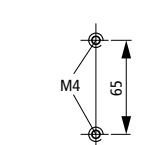


## Rear mounting

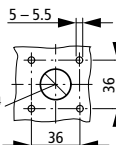
P.../Z



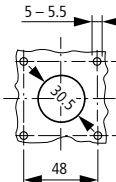
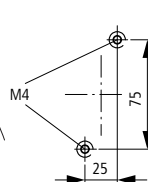
Drilling dimensions  
base  
P1.../Z



### Drilling dimensions door



P3.../Z



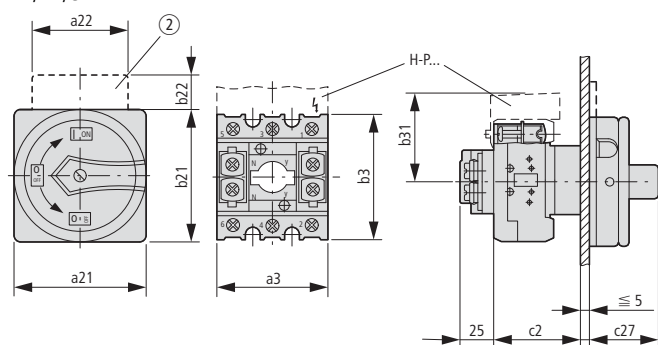
① Shaft extension with ZAV-... possible  $\leq 4 \times 25 = 100$  mm

| Part no. | a2 | a3 | a4   | a21 | a22 | a23 | a31 | a32 | a33 | b2 | b3 | b21 | b22 | b23 | b24 | b31 |
|----------|----|----|------|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|
| P1       | 48 | 49 | 53.5 | 65  | 48  | 87  | 15  | 15  | 83  | 48 | 70 | 65  | 17  | 180 | 32  | 49  |
| P3       | 87 | 72 | 71.5 | 87  | 87  | 125 | 18  | 15  | 114 | 87 | 83 | 87  | 27  | 175 | —   | 60  |

| Part no. | c2 | c3 | c20<br>≧/≦ | c20 with<br>≤ 4<br>ZAV/ZVV | c21 | c22 | c23 | c24 | c25 | c27 | c28 | c31 | c32 | c33 |
|----------|----|----|------------|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| P1       | 59 | 86 | 96 – 112   | 212                        | 35  | 32  | 65  | 68  | 58  | 35  | 77  | 25  | 25  | 27  |
| P3       | 59 | 82 | 103 – 118  | 218                        | 37  | 41  | 63  | 81  | 65  | 44  | 90  | 25  | 25  | 29  |

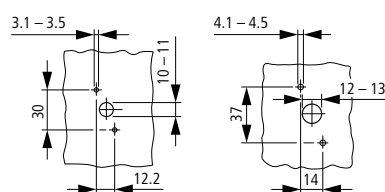
# Flush mounting main switches

P.../EA/SVB


Drilling dimensions  
door

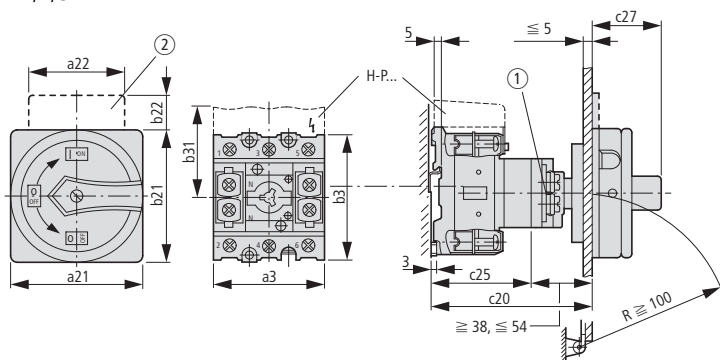
P1...

P3



# Rear mounting main switches

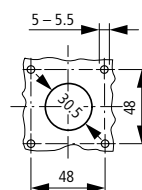
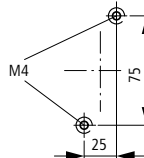
P.../V/SVB


Drilling dimensions  
base

P1/V/SVB


Drilling dimensions  
door

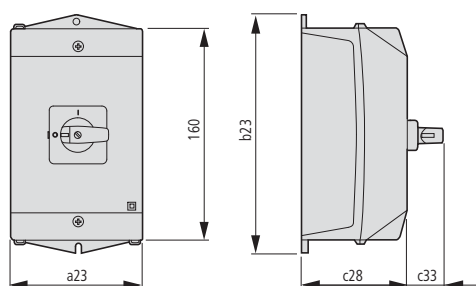
P3/V/SVB



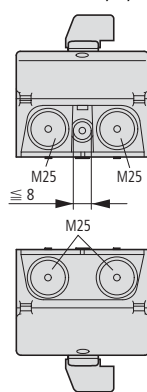
- ① Interlock extension with ZVV-...+ZAV... possible  $\leq 4 \times 25 = 100$  mm
- ② Not included as standard

# Surface mounting

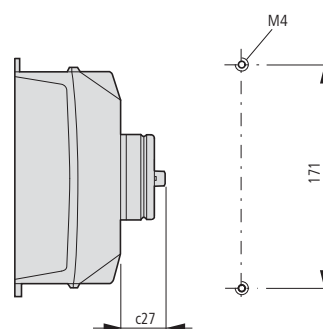
P1.../I2



# Surface mounting main switches/ safety switches

P1.../I2/SVB  
P1.../I2/SI


Drilling dimensions

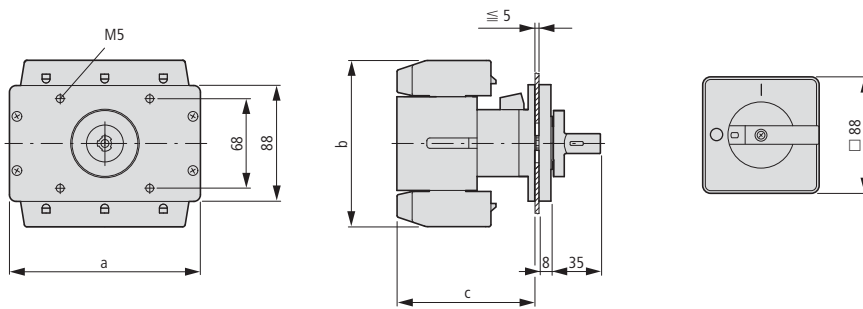


| Part no. | a2 | a3 | a4   | a21 | a22 | a23 | a31 | a32 | a33 | b2 | b3 | b21 | b22 | b23 | b24  | b31 |
|----------|----|----|------|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|------|-----|
| P1.../I2 | 48 | 49 | 53.5 | 65  | 48  | 100 | 15  | 15  | 83  | 48 | 70 | 65  | 17  | 180 | 35.5 | 49  |

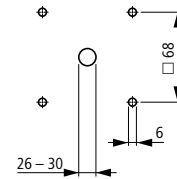
| Part no. | c2 | c3 | c20<br>≥/≤ | c20 with<br>≤ 4<br>ZAV/ZVV | c21 | c22 | c23 | c24 | c25 | c27 | c28 | c31 | c32 | c33 |
|----------|----|----|------------|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| P1...    | 59 | 86 | 96 – 112   | 212                        | 35  | 32  | 65  | 68  | 58  | 35  | 80  | 25  | 25  | 27  |

## Flush mounting

P5.../E

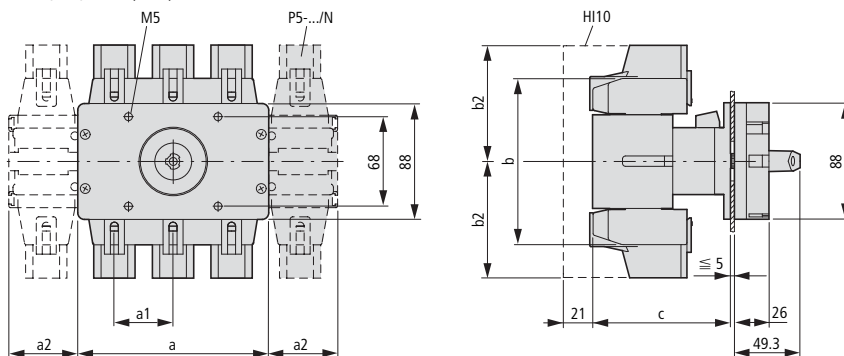


Drilling dimensions



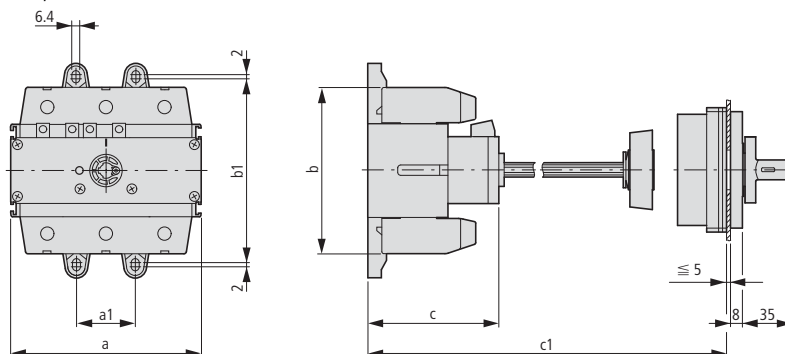
## Flush mounting main switches

P5.../EA/SVB-(SW)

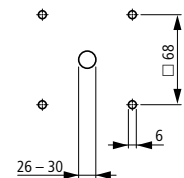


## Rear mounting

P5.../Z

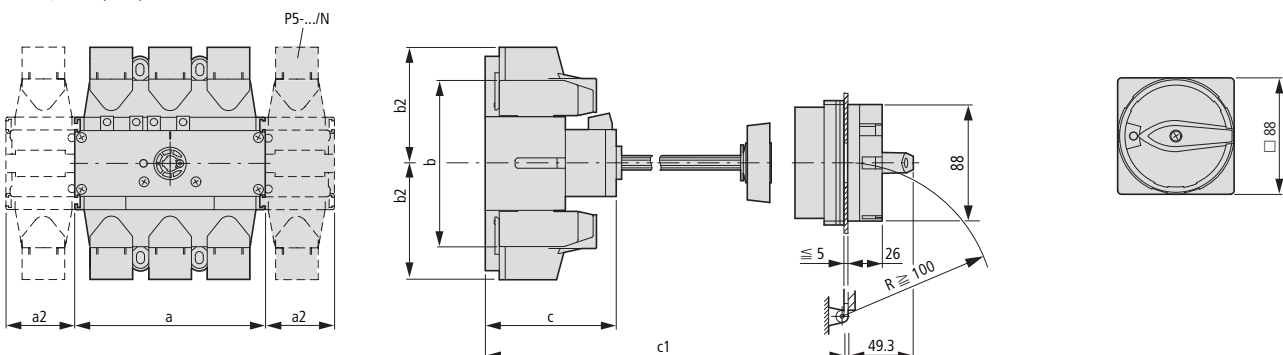


Drilling dimensions



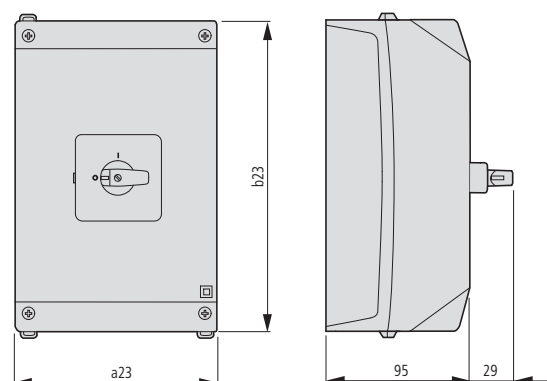
## Rear mounting main switches

P5.../SVB-(SW)



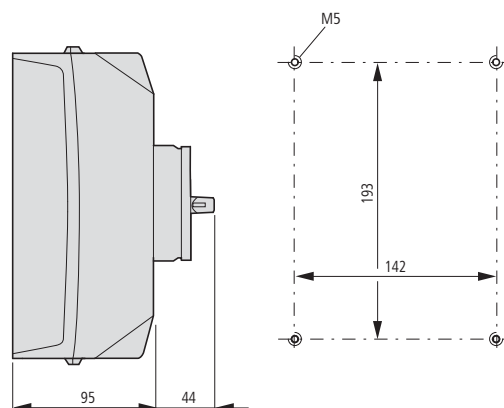
| Part no.   | a   | a1 | a2   | b   | b1  | b2 | c  | c1             |
|------------|-----|----|------|-----|-----|----|----|----------------|
| P5-125/160 | 112 | 36 | 38   | 108 | 120 | 76 | 91 | ≥ 130<br>≤ 287 |
| P5-250/315 | 145 | 44 | 52.5 | 126 | 144 | 88 | 98 | ≥ 140<br>≤ 280 |

#### Surface mounting P3-63/I4



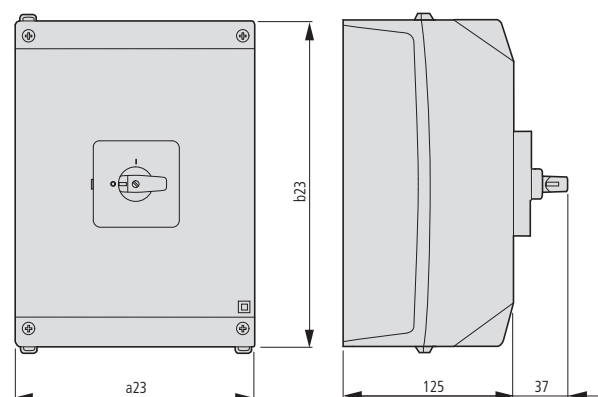
#### Surface mounting main switches/safety switches P3-63/I4/SVB P3-63/I4/SI T5B-.../I4/SI

#### Drilling dimensions



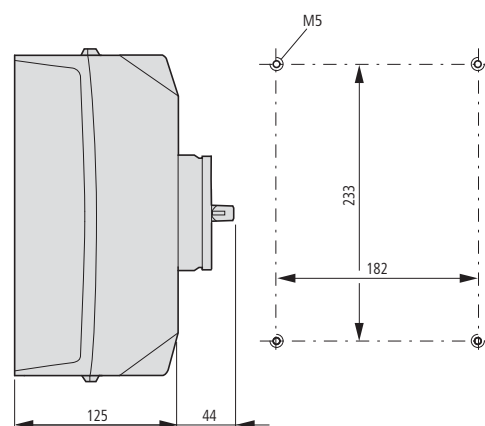
#### Surface mounting

#### P3-100/I5



#### Surface mounting main switches/safety switches P3-100/I5/SVB P3-100/I5/SI T5-.../I5/SI

#### Drilling dimensions

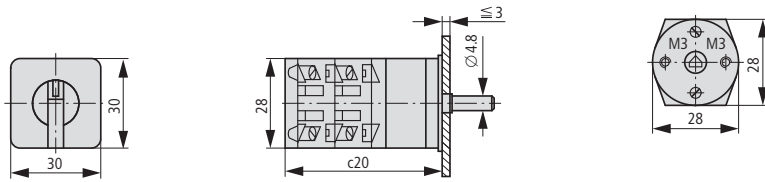


| Part no.  | a2 | a3 | a4   | a21 | a22 | a23 | a31 | a32 | a33 | b2 | b3 | b21 | b22 | b23 | b24  | b31 |
|-----------|----|----|------|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|------|-----|
| P3-63/I4  | 87 | 72 | 71.5 | 87  | 87  | 160 | 18  | 15  | 114 | 87 | 83 | 87  | 27  | 240 | 35.5 | 60  |
| P3-100/I5 | 87 | 72 | 71.5 | 87  | 87  | 200 | 18  | 15  | 114 | 87 | 83 | 87  | 27  | 280 | 35.5 | 60  |

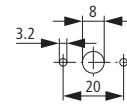
| Part no. | c2 | c3 | c20<br>≅/≅ | c20 with<br>≤ 4<br>ZAV/ZVV | c21 | c22 | c23 | c24 | c25 | c27 | c28 | c31 | c32 | c33 |
|----------|----|----|------------|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| P3-63    | 59 | 82 | 103 – 118  | 218                        | 37  | 41  | 63  | 81  | 65  | 44  | 125 | 25  | 25  | 37  |
| P3-100   | 59 | 82 | 103 – 118  | 218                        | 37  | 41  | 63  | 81  | 65  | 44  | 125 | 25  | 25  | 37  |

## Flush mounting

TM.../E



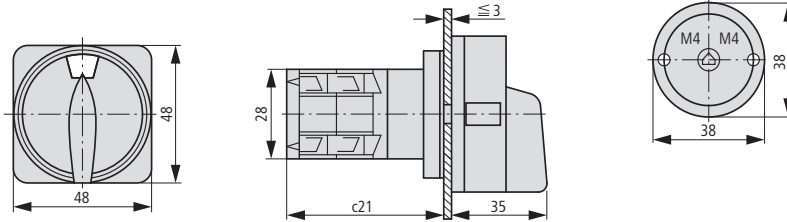
## Drilling dimensions



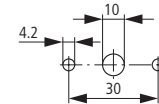
## Control circuit isolators

for 2 padlocks  $\varnothing$  4 mm or 1 padlock  $\varnothing$  6 mm

TM-.../E/SVB-(SW)

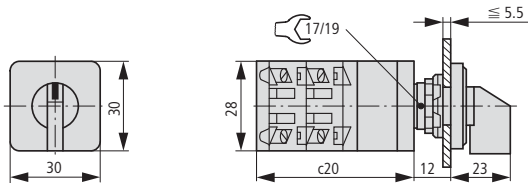
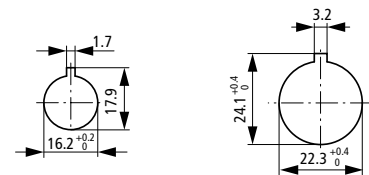


## Drilling dimensions



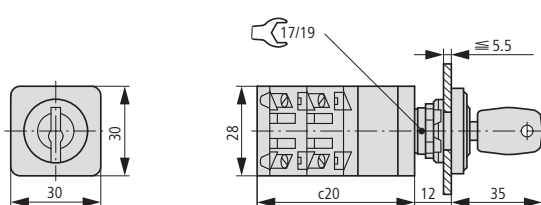
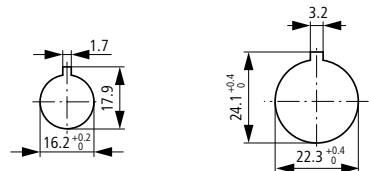
## Center mounting

TM-.../EZ

Drilling dimensions<sup>1)</sup>

## Center mounting with key operation

TM-...+EZ/S-..

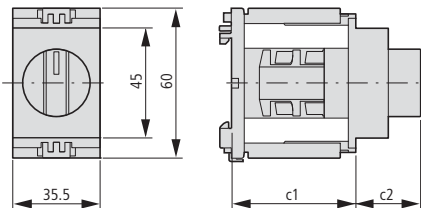
Drilling dimensions<sup>1)</sup>

| Part no. | c20 | c21 |
|----------|-----|-----|
| TM-1     | 39  | 42  |
| TM-2     | 51  | 54  |
| TM-3     | 63  | 66  |
| TM-4     | 75  |     |
| TM-5     | 87  |     |
| TM-6     | 99  |     |
| TM-7     | 111 |     |
| TM-8     | 123 |     |

Depth of one contact unit: 12 mm

## Service distribution board mounting

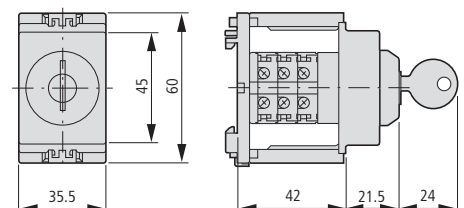
TM-.../IVS



| Part no. | c1 | c2   |
|----------|----|------|
| TM-1     | 44 | 21   |
| TM-2     | 46 | 26.5 |

Depth of one contact unit 12 mm

TM-.../IVS/S



## Notes

<sup>1)</sup> Drilling dimensions optionally: 16.2 mm = without reduction  $\Delta$  RMQ16; 22.3 mm = with reduction  $\Delta$  RMQ Titan