

Weidmüller Industry Light

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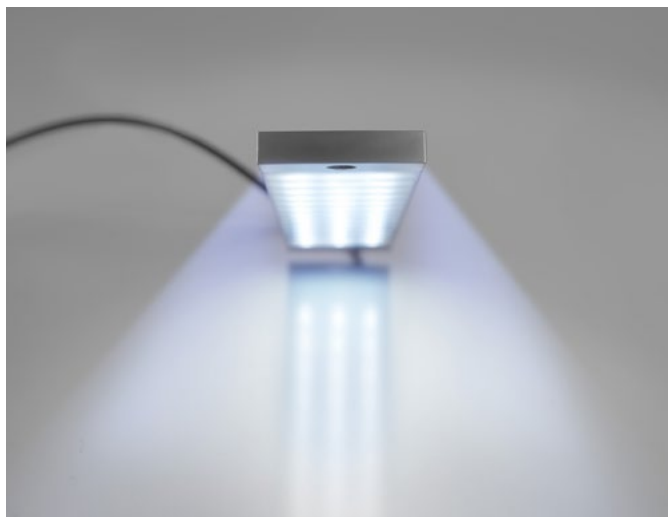
Optimum lighting for cabinet and field

Weidmüller Industry Light (WIL) – a solution for all requirements

The control cabinet is often a working area that is poorly lit. There is a demand here for a space-saving, bright yet affordable solution. The WIL all-rounder was developed in close cooperation with the industry and is the answer to its specialist requirements.

The compact LED light brightens the interior of the control cabinet with a wide cone of light or is mounted directly in the field. The mounting dimensions perfectly fit the requirements of a standard control cabinet. In addition, the high IP67 protection class and the robust enclosure make the WIL particularly suitable for industrial use.





Wide range thanks to broad beam angle

Three rows of LEDs arranged offset to one another generate a wide, trapezoidal beam angle. It produces a wide lit area without having to turn the light in a specific direction.

Concealed integration possible thanks to flat design

The WIL is easy to „conceal“ as it is just 8 mm in height. A folded edge on the control cabinet door may be sufficient to ensure the light is no longer visible from the side.

High-performance and economical

The WIL is characterised by its high luminosity and pleasant light colour which is similar to daylight. The solution is operated with 24 V DC and can be connected directly to a PLC output due to its low 420 mA consumption.

Robust and therefore durable

The enclosure made of a hard-anodised aluminium continuous cast profile with nickel-plated zinc die cast caps makes the WIL extremely robust. The area providing the lighting is therefore completely cast – without the need for an airtight area with viewing glass that can break.

Easy to connect

The pre-assembled M12 plug-in connector and 30-cm cable a plug-and-play connection can be set up for the system. No strands need to be connected separately, which makes installation considerably easier.

Protected

Thanks to the complete casting and M12 connection system, the WIL is watertight and dust-proof and can be used directly in the machine room.

Direct and easy to mount

Built-in mounting holes allow simple direct mounting. There are no additional mounting clips, so the installation height is also low.

Perfect fit for the control cabinet

The 225-mm distance between mounting holes makes installation in standard control cabinet models quick and simple.



WIL – Weidmüller Industry Light

WIL cable lengths variants
without magnet
without M12

Black cable

Orange cable



Ordering data

	1.5 m
	3.0 m
	5.0 m
	10.0 m
Note	

Type	Qty.	Order No.
WIL-STANDARD-1.5-SCREW-SW-WHI	1	2527880000
WIL-STANDARD-3.0-SCREW-SW-WHI	1	2527890000
WIL-STANDARD-5.0-SCREW-SW-WHI	1	2527900000
WIL-STANDARD-10-SCREW-SW-WHI	1	2527910000

Type	Qty.	Order No.
WIL-STANDARD-1.5-SCREW-OR-WHI	1	2527960000
WIL-STANDARD-3.0-SCREW-OR-WHI	1	2527970000
WIL-STANDARD-5.0-SCREW-OR-WHI	1	2527980000
WIL-STANDARD-10-SCREW-OR-WHI	1	2527990000

Technical data

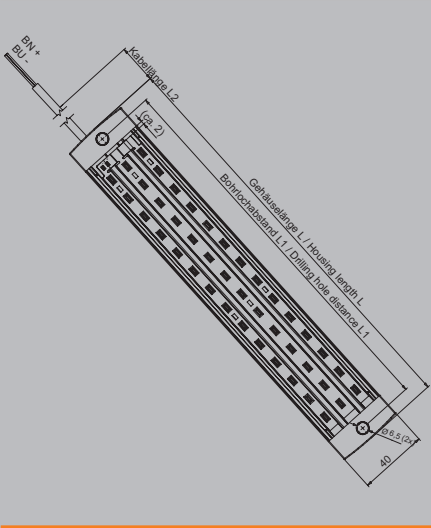
Rated voltage (acc. to VDE standard 0110 ISO Group C)	
Rated current	
Power	
Light current	
Illumination level	
Wiring	
Light colour (CCT)	
Protection degree	
Impact resistance	
Depth	
Width	
Height	
Note	

24 V DC
0,42 A
8,5 W
711 lm
245 lux
Brown +, Blue -
6500K, White
IP67
IK05
40 mm
240 mm
8 mm

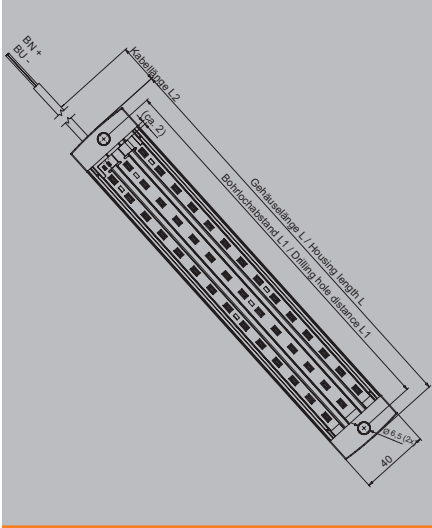
24 V DC
0,42 A
8,5 W
711 lm
245 lux
Brown +, Blue -
6500K, White
IP67
IK05
40 mm
240 mm
8 mm

Housing Length L	Drill hole spacing L1
145 mm	130 mm
240 mm	225 mm
350 mm	335 mm
450 mm	435 mm
555 mm	540 mm
655 mm	640 mm
765 mm	750 mm
860 mm	845 mm

Dimensioned drawing



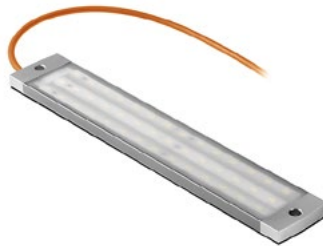
Dimensioned drawing



WIL cable lengths variants
with magnet
without M12

Black cable

Orange cable



Ordering data

	1.5 m
	3.0 m
	5.0 m
	10.0 m
Note	

Type	Qty.	Order No.
WIL-STANDARD-1.5-MAG-SW-WHI	1	2527920000
WIL-STANDARD-3.0-MAG-SW-WHI	1	2527930000
WIL-STANDARD-5.0-MAG-SW-WHI	1	2527940000
WIL-STANDARD-10-MAG-SW-WHI	1	2527950000

Type	Qty.	Order No.
WIL-STANDARD-1.5-MAG-OR-WHI	1	2528000000
WIL-STANDARD-3.0-MAG-OR-WHI	1	2528010000
WIL-STANDARD-5.0-MAG-OR-WHI	1	2528020000
WIL-STANDARD-10-MAG-OR-WHI	1	2528030000

Technical data

Rated voltage (acc. to VDE standard 0110 ISO Group C)
Rated current
Power
Light current
Illumination level
Wiring
Light colour (CCT)
Protection degree
Impact resistance
Depth
Width
Height
Note

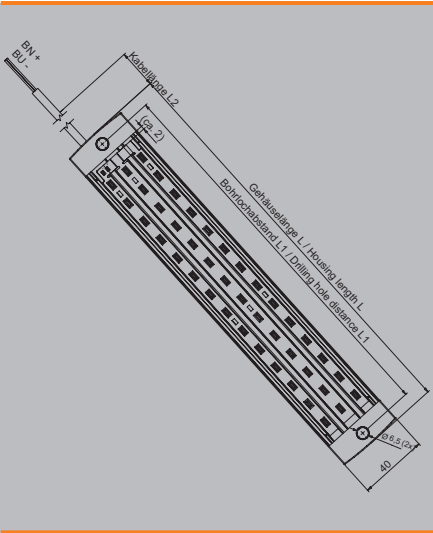
24 V DC
0,42 A
8,5 W
711 lm
245 lux
Brown +, Blue -
6500K, White
IP67
IK05
40 mm
240 mm
9.5 mm

24 V DC
0,42 A
8,5 W
711 lm
245 lux
Brown +, Blue -
6500K, White
IP67
IK05
40 mm
240 mm
9.5 mm

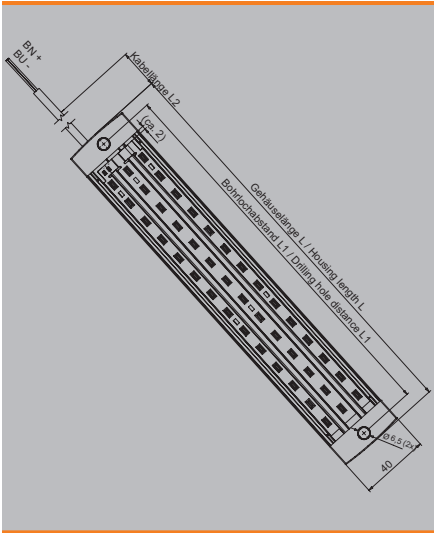
G

Housing Length L	Drill hole spacing L1
145 mm	130 mm
240 mm	225 mm
350 mm	335 mm
450 mm	435 mm
555 mm	540 mm
655 mm	640 mm
765 mm	750 mm
860 mm	845 mm

Dimensioned drawing



Dimensioned drawing



WIL housing lengths variants without magnet

Black cable

Housing length 145 mm



Black cable

Housing length 350 mm



Ordering data

	with M12, 0.3 m
	without M12, 5.0 m
Note	

Type	Qty.	Order No.
WIL-145-W-M12G-0.3U-S	1	2535770000
WIL-145-W-XXXX-5.0U-S	1	2535800000

Type	Qty.	Order No.
WIL-350-W-M12G-0.3U-S	1	2535810000
WIL-350-W-XXXX-5.0U-S	1	2535820000

Technical data

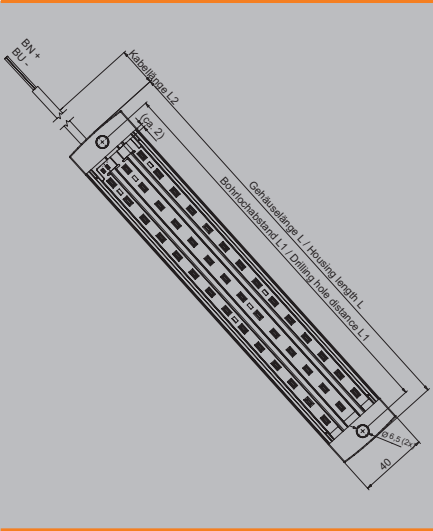
Rated voltage (acc. to VDE standard 0110 ISO Group C)
Rated current
Power
Light current
Illumination level
Wiring
Light colour (CCT)
Protection degree
Impact resistance
Depth
Width
Height
Note

24 V DC
0,20 A
5,04 W
340 lm
118 lux
Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
6500K, White
IP67
IK05
40 mm
145 mm
8 mm

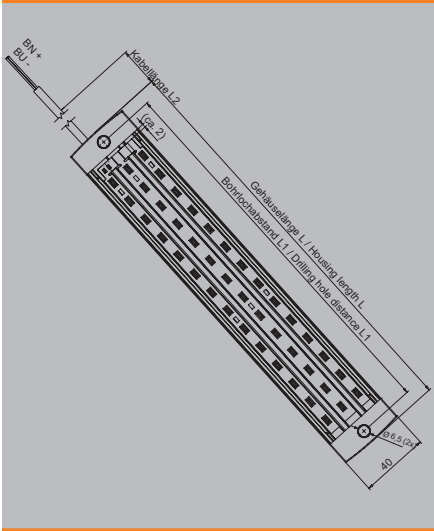
24 V DC
0,55 A
13 W
958 lm
330 lux
Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
6500K, White
IP67
IK05
40 mm
350 mm
8 mm

Housing Length L	Drill hole spacing L1
145 mm	130 mm
240 mm	225 mm
350 mm	335 mm
450 mm	435 mm
555 mm	540 mm
655 mm	640 mm
765 mm	750 mm
860 mm	845 mm

Dimensioned drawing



Dimensioned drawing



WIL lengths variants
without magnet

Ordering data

	with M12, 0.3 m
	without M12, 5.0 m
Note	

Technical data

Rated voltage (acc. to VDE standard 0110 ISO Group C)
Rated current
Power
Light current
Illumination level
Wiring
Light colour (CCT)
Protection degree
Impact resistance
Depth
Width
Height
Note

Black cable

Housing length 450 mm



Type	Qty.	Order No.
WIL-450-W-M12G-0.3U-S	1	2535830000
WIL-450-W-XXX-5.0U-S	1	2535840000

24 V DC
0,65 A
16.5 W
1260 lm
435 lux
Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
6500K, White
IP67
IK05
40 mm
450 mm
8 mm

Black cable

Housing length 555 mm

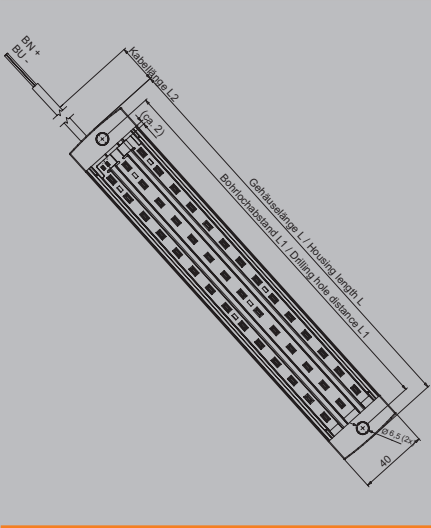


Type	Qty.	Order No.
WIL-555-W-M12G-0.3U-S	1	2535850000
WIL-555-W-XXX-5.0U-S	1	2535860000

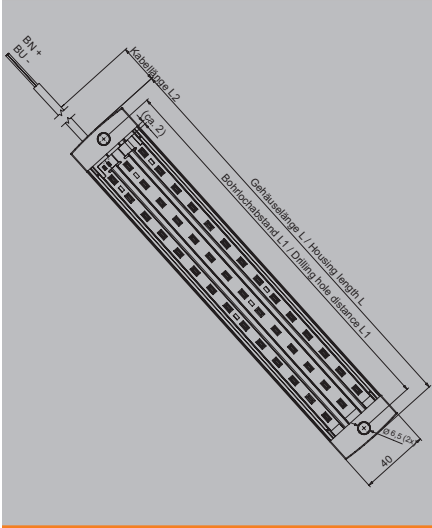
24 V DC
0,80 A
20.5 W
1579 lm
544 lux
Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
6500K, White
IP67
IK05
40 mm
555 mm
8 mm

Housing Length L	Drill hole spacing L1
145 mm	130 mm
240 mm	225 mm
350 mm	335 mm
450 mm	435 mm
555 mm	540 mm
655 mm	640 mm
765 mm	750 mm
860 mm	845 mm

Dimensioned drawing



Dimensioned drawing



WIL lengths variants without magnet

Black cable

Housing length 655 mm



Black cable

Housing length 765 mm



Ordering data

	with M12, 0.3 m
	without M12, 5.0 m
Note	

Type	Qty.	Order No.
WIL-655-W-M12G-0.3U-S	1	2535870000
WIL-655-W-XXX-5.0U-S	1	2535880000

Type	Qty.	Order No.
WIL-765-W-M12G-0.3U-S	1	2535890000
WIL-765-W-XXX-5.0U-S	1	2535900000

Technical data

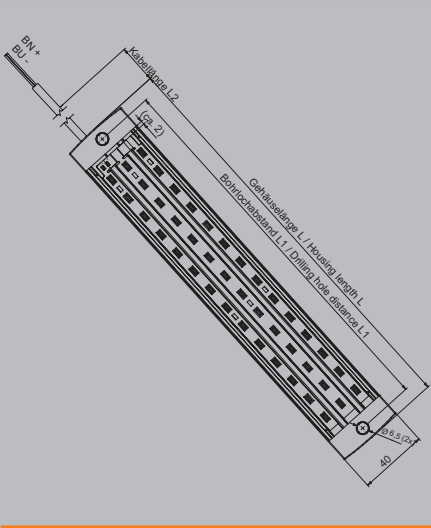
Rated voltage (acc. to VDE standard 0110 ISO Group C)
Rated current
Power
Light current
Illumination level
Wiring
Light colour (CCT)
Protection degree
Impact resistance
Depth
Width
Height
Note

24 V DC
0,90 A
25 W
1933 lm
666 lux
Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
6500K, White
IP67
IK05
40 mm
655 mm
8 mm

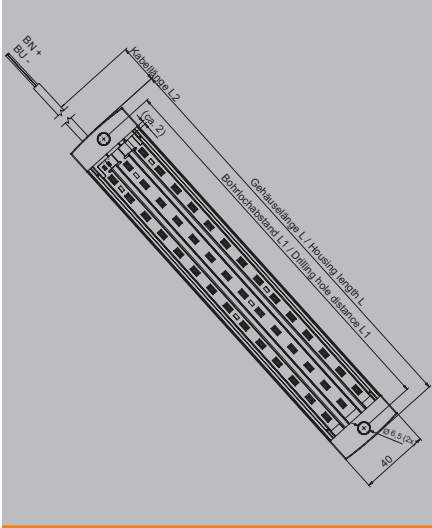
24 V DC
1,00 A
29 W
2177 lm
749 lux
Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
6500K, White
IP67
IK05
40 mm
765 mm
8 mm

Housing Length L	Drill hole spacing L1
145 mm	130 mm
240 mm	225 mm
350 mm	335 mm
450 mm	435 mm
555 mm	540 mm
655 mm	640 mm
765 mm	750 mm
860 mm	845 mm

Dimensioned drawing



Dimensioned drawing



WIL lengths variants
without magnet

Black cable

Housing length 860 mm



Ordering data

	with M12, 0.3 m
	without M12, 5.0 m
Note	

Type	Qty.	Order No.
WIL-860-W-M12G-0.3U-S	1	2535910000
WIL-860-W-XXX-5.0U-S	1	2535920000

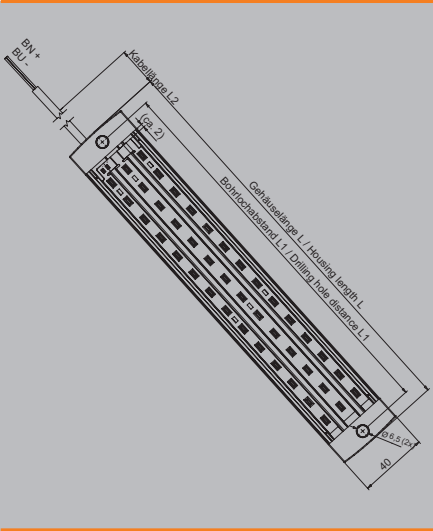
Technical data

Rated voltage (acc. to VDE standard 0110 ISO Group C)
Rated current
Power
Light current
Illumination level
Wiring
Light colour (CCT)
Protection degree
Impact resistance
Depth
Width
Height
Note

24 V DC
1,10 A
32.5 W
2473 lm
844 lux
Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
6500K, White
IP67
IK05
40 mm
860 mm
8 mm

Housing Length L	Drill hole spacing L1
145 mm	130 mm
240 mm	225 mm
350 mm	335 mm
450 mm	435 mm
555 mm	540 mm
655 mm	640 mm
765 mm	750 mm
860 mm	845 mm

Dimensioned drawing



WIL colour variants
without magnet
with M12

LED white

Housing length 240 mm



LED Blue

Housing length 240 mm



Ordering data

	1x M12, 0.3 m, black cable
	2x M12, 0.3 m, black cable
Note	

Type	Qty.	Order No.
WIL-STANDARD-0.3-SCREW-SW-WHI	1	2436210000
WIL-240-W-M12GM12G-0.3U-S	1	2576960000

Type	Qty.	Order No.
WIL-STANDARD-0.3-SCREW-SW-BLU	1	2436350000
WIL-240-B-M12GM12G-0.3U-S	1	2576970000

Technical data

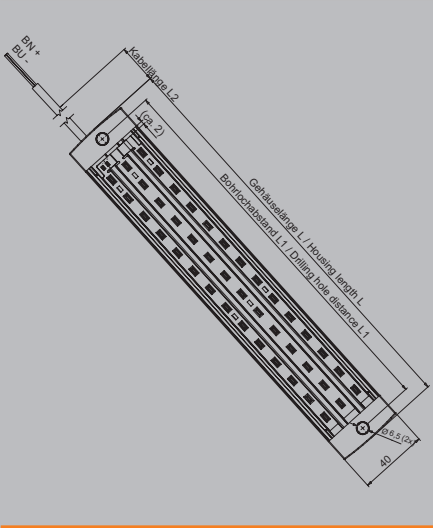
Rated voltage (acc. to VDE standard 0110 ISO Group C)
Rated current
Power
Light current
Illumination level
Wiring
Light colour (CCT)
Protection degree
Impact resistance
Depth
Width
Height
Note

24 V DC
0,36 A
8,5 W
711 lm
245 lux
Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
6500K, White
IP67
IK05
40 mm
240 mm
8 mm

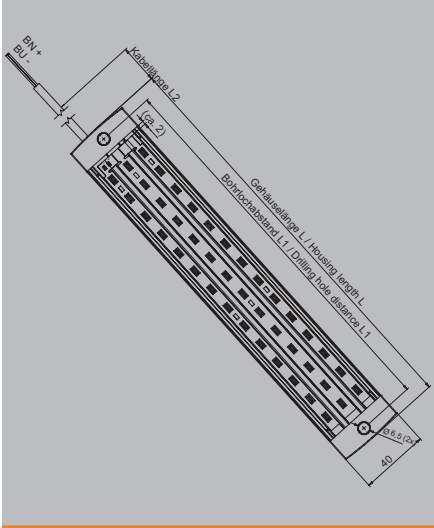
24 V DC
0,36 A
8,5 W
98 lm
34 lux
Pin 4 (Strand: black) control blue LED, Pin 3 (Strand: blue)
Blue
IP67
IK05
40 mm
240 mm
8 mm

Housing Length L	Drill hole spacing L1
145 mm	130 mm
240 mm	225 mm
350 mm	335 mm
450 mm	435 mm
555 mm	540 mm
655 mm	640 mm
765 mm	750 mm
860 mm	845 mm

Dimensioned drawing



Dimensioned drawing



WIL colour variants
without magnet
with M12

LED Red

Housing length 240 mm



LED Red, Yellow, Green

Housing length 240 mm



Ordering data

	1x M12, 0.3 m, black cable
	2x M12, 0.3 m, black cable
Note	

Type	Qty.	Order No.
WIL-STANDARD-0.3-SCREW-SW-RED	1	2436340000
WIL-240-R-M12GM12G-0.3U-S	1	2576980000

Type	Qty.	Order No.
WIL-240-RYG-M12G-0.3U-S	1	2625240000

Technical data

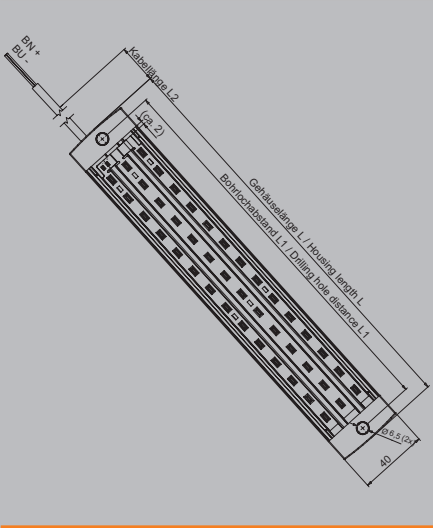
Rated voltage (acc. to VDE standard 0110 ISO Group C)	
Rated current	
Power	
Light current	
Illumination level	
Wiring	
Light colour (CCT)	
Protection degree	
Impact resistance	
Depth	
Width	
Height	
Note	

24 V DC
0,36 A
8,5 W
208 lm
71 lux
Pin 4 (Strand: black) control red LED, Pin 3 (Strand: blue)
Red
IP67
IK05
40 mm
240 mm
8 mm

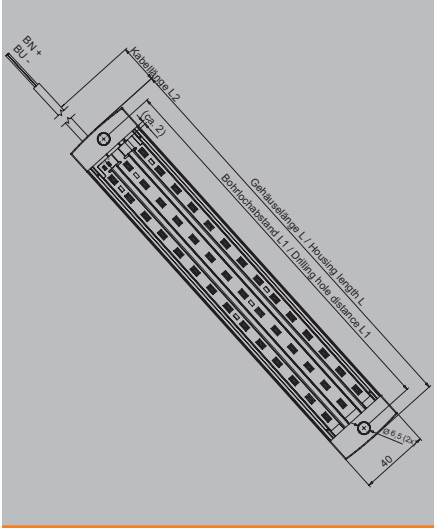
24 V DC
0,36 A
8,5 W
Pin 1 (Strand: brown) control red LED, Pin 2 (Strand: white) control yellow LED, Pin 3 (Strand: blue), Pin 4 (Strand: black) control green LED
Red, Yellow, Green
IP67
IK05
40 mm
240 mm
8 mm

Housing Length L	Drill hole spacing L1
145 mm	130 mm
240 mm	225 mm
350 mm	335 mm
450 mm	435 mm
555 mm	540 mm
655 mm	640 mm
765 mm	750 mm
860 mm	845 mm

Dimensioned drawing



Dimensioned drawing



G

Housing length 240 mm



Note 0.3 m, black cable

Rated voltage (acc. to VDE standard 0110 ISO Group C)
Rated current
Power
Light current
Illumination level

Wiring

Light colour (CCT)
Protection degree
Impact resistance
Depth
Width
Height

Note

Type	Qty.	Order No.
WIL-240-RGBW-M12G-0.3U-S	1	2635090000

24 V DC
0,36 A
8,5 W
Pin 1 (Strand: brown) control red LED, Pin 2 (Strand: white) control green LED, Pin 3 (Strand: blue), Pin 4 (Strand: black) control blue LED, Pin 5 (Strand: grey) control white LED
Blue, White, Red, Green
IP67
IK05
40 mm
240 mm
8 mm
Maximum allowed total current: 1 A

Housing Length L	Drill hole spacing L1
145 mm	130 mm
240 mm	225 mm
350 mm	335 mm
450 mm	435 mm
555 mm	540 mm
655 mm	640 mm
765 mm	750 mm
860 mm	845 mm

Technical drawing of a drilling tool assembly, showing dimensions and labels:

- BN + BU -**: Label for the tool holder.
- Kolbenlänge L2**: Label for the piston length.
- L2/2**: Dimension indicating half the piston length.
- Gehäuselänge L / Housing length L**: Label for the housing length.
- Bohrlochabstand L / Drilling hole distance L**: Label for the drilling hole distance.
- 40**: Dimension indicating the diameter of the drilling hole.

WIL different white colours
without magnet
mit M12

2700 K warm white

Housing length 240 mm



4000 K neutral white

Housing length 240 mm



Ordering data

	0.3 m, black cable
Note	

Technical data

Rated voltage (acc. to VDE standard 0110 ISO Group C)	
Rated current	
Power	
Light current	
Illumination level	
Wiring	
Light colour (CCT)	
Protection degree	
Impact resistance	
Depth	
Width	
Height	
Note	

Type	Qty.	Order No.
WIL-240-WW27-M12G-0.3U-S	1	2633830000

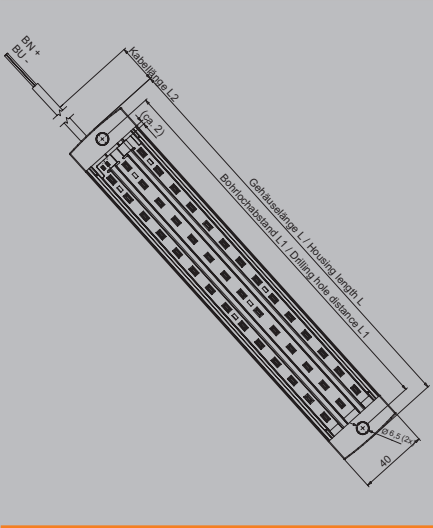
24 V DC
0,36 A
8,5 W
600 lm
210 lux
Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
2700K
IP67
IK05
40 mm
240 mm
8 mm

Type	Qty.	Order No.
WIL-240-WW40-M12G-0.3U-S	1	2617810000

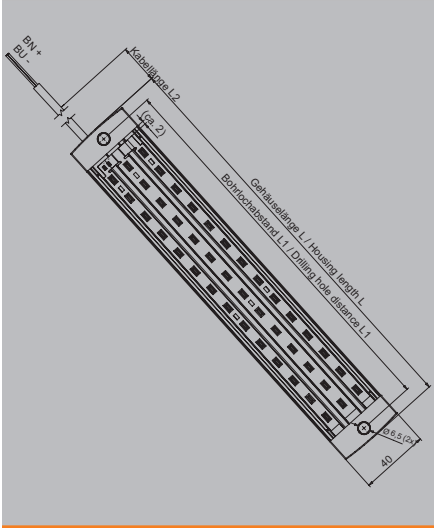
24 V DC
0,36 A
8,5 W
630 lm
210 lux
Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
4000K
IP67
IK05
40 mm
240 mm
8 mm

Housing Length L	Drill hole spacing L1
145 mm	130 mm
240 mm	225 mm
350 mm	335 mm
450 mm	435 mm
555 mm	540 mm
655 mm	640 mm
765 mm	750 mm
860 mm	845 mm

Dimensioned drawing



Dimensioned drawing



WIL different white colours
without magnet
mit M12

5700 K cold white

Housing length 240 mm



Ordering data

	0.3 m, black cable
Note	

Type	Qty.	Order No.
WIL-240-WW57-M12G-0.3U-S	1	2614400000

Technical data

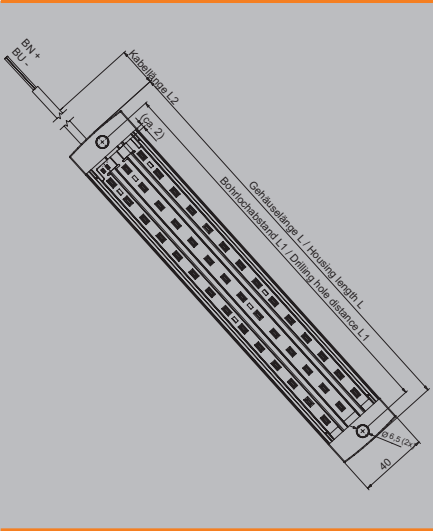
Rated voltage (acc. to VDE standard 0110 ISO Group C)
Rated current
Power
Light current
Illumination level
Wiring
Light colour (CCT)
Protection degree
Impact resistance
Depth
Width
Height
Note

24 V DC
0,36 A
8,5 W
660 lm
210 lux
Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
5700K
IP67
IK05
40 mm
240 mm
8 mm

G

Housing Length L	Drill hole spacing L1
145 mm	130 mm
240 mm	225 mm
350 mm	335 mm
450 mm	435 mm
555 mm	540 mm
655 mm	640 mm
765 mm	750 mm
860 mm	845 mm

Dimensioned drawing



WIL with 12 V electrical system plug
with magnet
with M12

6500 K with on-board connector



Ordering data

	5.0 m, black cable
Note	

Type	Qty.	Order No.
WIL-240-W-Z12V-5.0U-S-M	1	2548620000

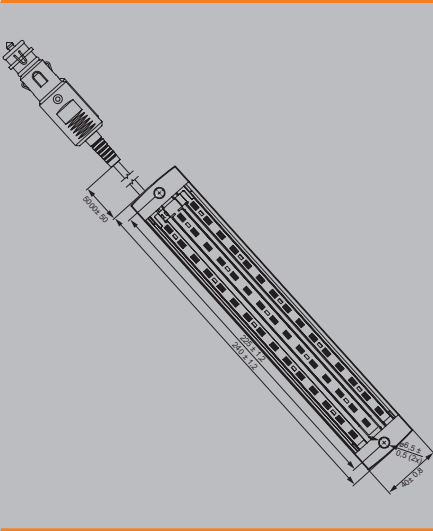
Technical data

Rated voltage (acc. to VDE standard 0110 ISO Group C)
Rated current
Power
Light current
Illumination level
Wiring
Light colour (CCT)
Protection degree
Impact resistance
Depth
Width
Height
Note

12 V DC
0,70 A
8,5 W
711 lm
245 lux
Blue -, Brown +
6500K, White
IP67
IK05
40 mm
240 mm
9.5 mm

Housing Length L	Drill hole spacing L1
145 mm	130 mm
240 mm	225 mm
350 mm	335 mm
450 mm	435 mm
555 mm	540 mm
655 mm	640 mm
765 mm	750 mm
860 mm	845 mm

Dimensioned drawing



WIL accessories

Motion sensors without cable

Motion sensors with cable



Ordering data

Note

Technical data

Rated voltage (acc. to VDE standard 0110 ISO Group C)
Rated current
Power
Light current
Illumination level
Wiring
Light colour (CCT)
Protection degree
Impact resistance
Depth
Width
Height
Note

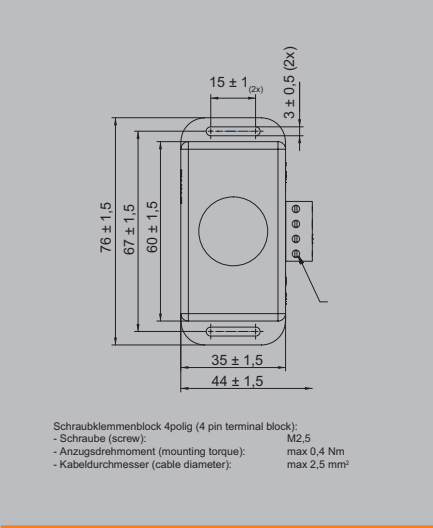
Type	Qty.	Order No.
WIL-BM-SK	1	2537720000

24 V DC
< 6.0 A
PIN 4: + (black), PIN 3: - (blue)
IP20
44 mm
76 mm
33 mm

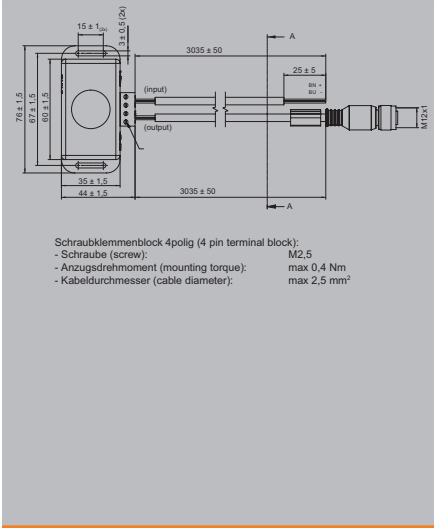
Type	Qty.	Order No.
WIL-BM-SK-M12-3.0U	1	2537700000

24 V DC
< 6.0 A
PIN 4: + (black), PIN 3: - (blue)
IP20
44 mm
76 mm
33 mm

Dimensioned drawing



Dimensioned drawing



WIL accessories

Motion sensors with cable

JACKPAC®



Ordering data

Note

Type	Qty.	Order No.
WIL-BM-JP-M12-3.0U	1	2537710000

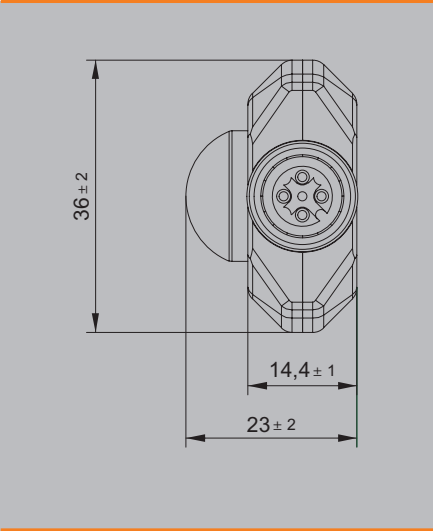
Technical data

Rated voltage (acc. to VDE standard 0110 ISO Group C)
Rated current
Power
Light current
Illumination level
Wiring
Light colour (CCT)
Protection degree
Impact resistance
Depth
Width
Height
Note

24 V DC
< 3.0 A
PIN 4: + (black), PIN 3: - (blue)
IP20
36 mm
51 mm
23 mm

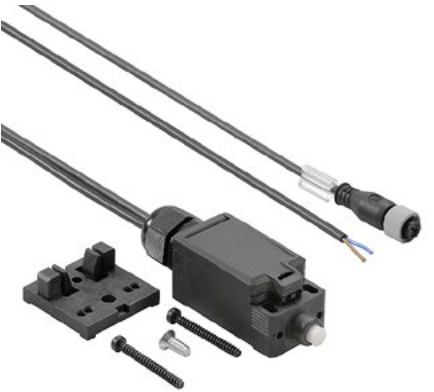


Dimensioned drawing



WIL accessories

Door switch



Power supply



Ordering data

Type	Qty.	Order No.
WIL-TS-M12	1	2537730000
Note		

Technical data

Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Rated current	1.5 A
Power	
Light current	
Illumination level	
Wiring	PIN 4: + (black), PIN 3: - (blue)
Light colour (CCT)	
Protection degree	IP67
Impact resistance	
Depth	40 mm
Width	102.5 mm
Height	36.3 mm
Note	

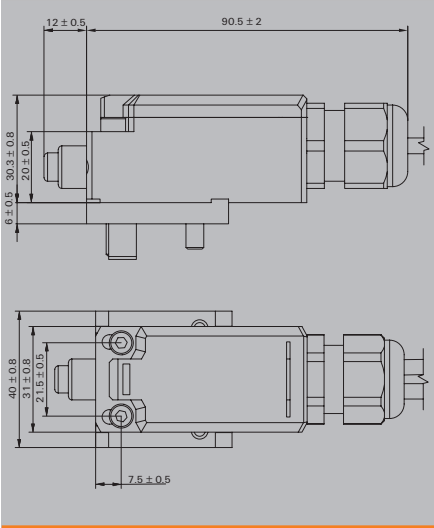
Type	Qty.	Order No.
WIL-TS-M12	1	2537730000

Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Rated current	1.5 A
Power	
Light current	
Illumination level	
Wiring	PIN 4: + (black), PIN 3: - (blue)
Light colour (CCT)	
Protection degree	IP67
Impact resistance	
Depth	40 mm
Width	102.5 mm
Height	36.3 mm
Note	

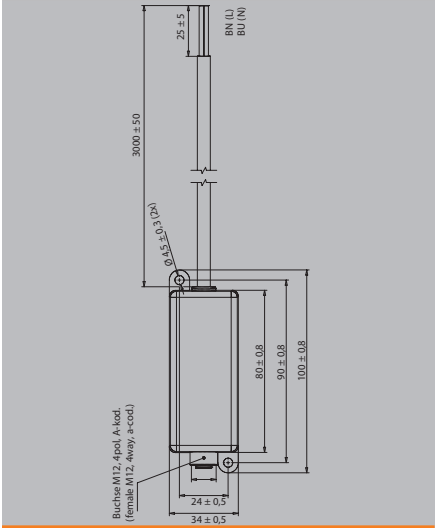
Type	Qty.	Order No.
WIL-NT-STANDARD	1	2598350000

Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Rated current	1,10 A
Power	
Light current	
Illumination level	
Wiring	
Light colour (CCT)	
Protection degree	IP65 when locked
Impact resistance	
Depth	34 mm
Width	100 mm
Height	32 mm
Only suitable for housing lengths 145 mm and 240 mm	

Dimensioned drawing



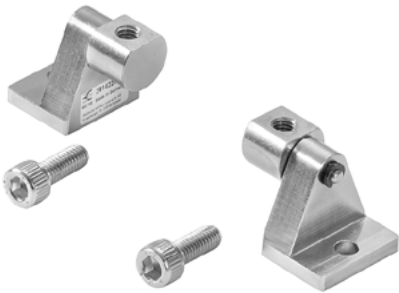
Dimensioned drawing



WIL accessories

Magnet

Swivelling holder



Ordering data

Note

Type	Qty.	Order No.
WIL-MAGNET	1	2526810000

Type	Qty.	Order No.
WIL-SCHWENKHALTER	1	2614220000

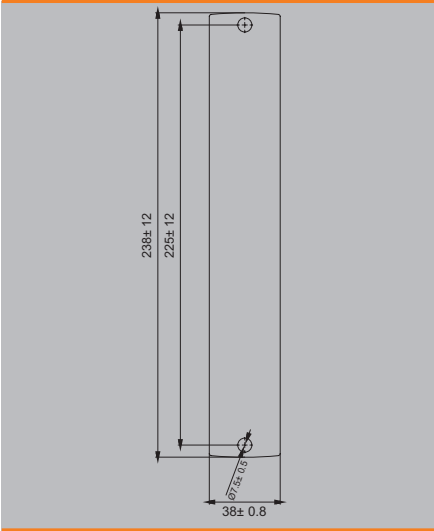
Technical data

Rated voltage (acc. to VDE standard 0110 ISO Group C)
Rated current
Power
Light current
Illumination level
Wiring
Light colour (CCT)
Protection degree
Impact resistance
Depth
Width
Height
Note

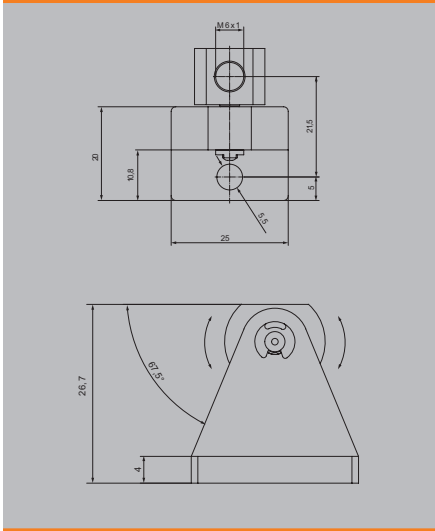
38 mm
238 mm
1.5 mm

20 mm
32.5 mm
26.7 mm

Dimensioned drawing



Dimensioned drawing



Explanation of the abbreviations of the WIL family



G

Figures	Meaning
WIL	family name
145	housing length 145 mm
240	housing length 240 mm
350	housing length 350 mm
450	housing length 450 mm
555	housing length 555 mm
655	housing length 655 mm
765	housing length 765 mm
860	housing length 860 mm
Standard	housing length 240 mm
W	white 6500 K
WW40	white 4000 K
WW57	white 5700 K
WW27	white 2700 K
R	Red
B	Blue
M12G	M12 connector straight
0.3U	cable length 0.3m
-S	Screw mounting
-M	Mounting additionally possible with magnet
BM	motion detection
SK	Screw terminals inside
NT-standard	Power supply for housing length 145 mm und 240 mm
JP	Jackpac housing
Z12V	Car Interface connector
Screw	Screw connection
Magnet	magnet only for 240 mm version
TS	Door switch
RYG	three colors inside: red, yellow, green
RGBW	RGBW inside (Multicolour LEDs)