

Supplying power even under difficult environmental conditions

PROtop – the innovative power supply for demanding applications

High-end power supplies must perform efficiently and reliably, even in challenging industrial environments. High power reserves, long service life and optimal protection against surge voltages, vibrations and extreme temperature conditions are all a requirement.

New DCL technology provides PROtop with outstanding dynamic range. This can be used for the reliable triggering of circuit breaking switches as well as for powerful motor starts.

Its unique features make PROtop your first choice for reliability, service life and energy efficiency, even under extreme temperature and vibration conditions.



Extreme vibration and temperature resistance as well as its space- and cost-saving concept for redundant power supply systems make PROtop the optimal high-end solution for wind turbines

Your special advantages:

DCL technology

PROtop benefits from unique impulse energy reserves thanks to new DCL technology. Ideal for reliable impulse triggering of circuit breakers or as additional energy for powerful motor starts.



Flexible application due to various operating modes

In parallel operation mode (P: parallel operation, S: single operation), the output voltage can be easily adjusted and the output currents can be symmetrically balanced.

Programmable short-circuit behaviour (C: sustained short-circuit current, S: short-circuit switch-off) offers specific overload and wiring protection.



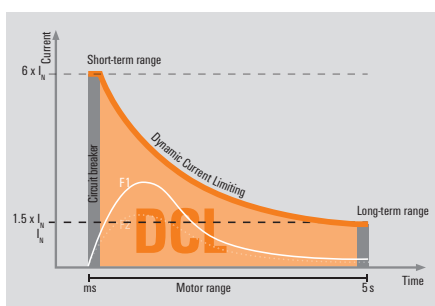
Futureproof with communicative power supplies

Available from November 2017 the communicative power supplies offer a new dimension of functional possibilities.



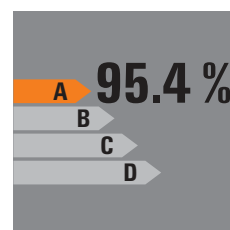
High peak power and excellent dynamic range thanks to the DCL technology

The peak current reserve of 600 % for 20 ms of innovative DCL technology reliably triggers circuit breakers. In addition, the continuous peak reserves from milliseconds to seconds ensure powerful motor starts.



Efficient, extremely space-saving and long life cycle

Efficiencies of up to 95.4 % lead to low power losses and extremely space saving housings. The lower heating up even results in high MTBF (>1,000,000 h) and long life cycle of more than 20 years.



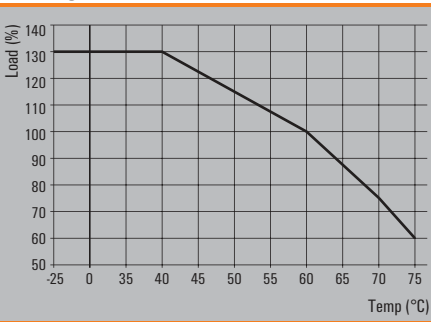
PROtop power supplies to satisfy the highest demands

PROtop

- DCL technology for an excellent dynamic range
- High energy efficiency (up to 95.4 % efficiency)
- Mode of operation: single or parallel operation and adjustable short-circuit response (continuous current or switch-off)
- Long service life of up to 20 years, MTBF > 1,000,000 h.
- Extremely slim design
- Time-saving PUSH IN connection technology



Derating curve



Technical data

General data	
Insulation voltage input / earth	4 kV
Insulation voltage output / earth	0.5 kV
Insulation voltage, input/output	4 kV
Earth leakage current, max.	3.5 mA
Series switching capability	Yes
Ambient temperature (operational) / Storage temperature	-25 °C...75 °C / -40 °C...85 °C
Humidity at operating temperature	5...95 %, no condensation
Class of protection / Pollution degree	I, with PE connection / 2
MTBF	> 1.000.000 h according IEC 1709 (SN29500)
Housing version	Metal, corrosion resistant
Mounting position, installation notice	Horizontal on DIN rail TS 35, top and bottom 50 mm clearance for free air flow, 10 mm clearance to neighbouring active subassemblies with full load, 5 mm with passive neighbouring subassemblies, direct row mounting with 90% rated load
EMC / shock / vibration	
Interference immunity test acc. to	EN 55024, EN 55032 (EN 55022), EN 61000-6-1, 2, 3, 4
Shock	30 g in all directions
Resistance to vibration	2.3 g (on DIN rail), 4 g (with direct mounting)
Electrical safety (applied standards)	
Electrical machine equipment	Acc. to EN60204
Safety transformers for switch-mode power supplies	nach EN61558-2-16
For use with electronic equipment	Acc. to EN50178 / VDE0160
Safety extra-low voltage	SELV acc. to EN60950, PELV acc. to EN60204
Protective separation / protection against electrical shock	VDE0100-410 / acc. to DIN57100-410
Protection against dangerous shock currents	Acc. to VDE0106-101



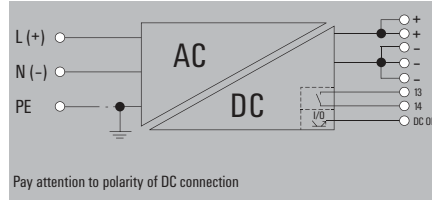
PROtop

- 1-phase power supplies

PRO TOP1 72 W 24 V 3 A



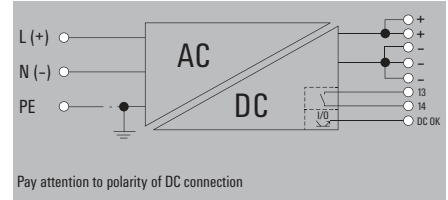
Similar to illustration



PRO TOP1 120 W 24 V 5 A



Similar to illustration



Technical data

Input	
Rated input voltage	100 - 240 V AC / 120 - 340 V DC
Input voltage range AC	85...277 V AC
Frequency range AC	45...65 Hz
DC input voltage range	80 ... 410 V DC
Input fuse (internal) / Inrush current	Yes / max. 5 A
Output	
Rated output voltage	24 V DC $\pm$ 1 %
Output voltage	22.5...29 V
DCL - peak load reserve	150 % (5 s); 400 % (12 ms)
Residual ripple, breaking spikes	< 50 mVss @ U_{NOM} , Full Load
Power reserve at nom. voltage	130% permanent at $\leq 40^{\circ}\text{C}$
Rated (nominal) output current @ U_{NOM}	3 A @ 60°C
General data	
Derating	> 60°C (2.5% / 1°C)
Series switching capability	Yes
Degree of efficiency	typ. 90 %
Power factor (approx.)	> 0.90 @ 230 V AC
AC failure bridging time @ I_{NOM}	> 20 ms @ 230 V AC / > 20 ms @ 115 V AC
LED green/red	Green: Operation (failure-free), Flashing green: advance warning >90%, Green/red flashing: output switched off (switch-off mode), Flashing red: overload/error
Parallel connection option	Passive Current Sharing
Depth x width x height	125 / 35 / 130 mm
Net weight	650 g
Approvals	
Approvals	

preliminary technical data!

Input	
Rated input voltage	100 - 240 V AC / 120 - 340 V DC
Input voltage range AC	85...277 V AC
Frequency range AC	45...65 Hz
DC input voltage range	80 ... 410 V DC
Input fuse (internal) / Inrush current	Yes / max. 5 A
Output	
Rated output voltage	24 V DC $\pm$ 1 %
Output voltage	22.5...29 V
DCL - peak load reserve	150 % (5 s); 400 % (12 ms)
Residual ripple, breaking spikes	< 50 mVss @ U_{NOM} , Full Load
Power reserve at nom. voltage	130% permanent at $\leq 40^{\circ}\text{C}$
Rated (nominal) output current @ U_{NOM}	3 A @ 60°C
General data	
Derating	> 60°C (2.5% / 1°C)
Series switching capability	Yes
Degree of efficiency	typ. 90 %
Power factor (approx.)	> 0.90 @ 230 V AC
AC failure bridging time @ I_{NOM}	> 20 ms @ 230 V AC / > 20 ms @ 115 V AC
LED green/red	Green: Operation (failure-free), Flashing green: advance warning >90%, Green/red flashing: output switched off (switch-off mode), Flashing red: overload/error
Parallel connection option	Passive Current Sharing
Depth x width x height	125 / 35 / 130 mm
Net weight	650 g

preliminary technical data!

Input	
Rated input voltage	100 - 240 V AC / 120 - 340 V DC
Input voltage range AC	85...277 V AC
Frequency range AC	45...65 Hz
DC input voltage range	80 ... 410 V DC (Derating 40 % @ 48 V DC)
Input fuse (internal) / Inrush current	Yes / max. 5 A
Output	
Rated output voltage	24 V DC $\pm$ 1 %
Output voltage	22.5...29 V
DCL - peak load reserve	150 % (5 s); 600 % (12 ms)
Residual ripple, breaking spikes	< 50 mVss @ U_{NOM} , Full Load
Power reserve at nom. voltage	130% permanent at $\leq 40^{\circ}\text{C}$
Rated (nominal) output current @ U_{NOM}	5 A @ 60°C
General data	
Derating	> 60°C (2.5% / 1°C)
Series switching capability	Yes
Degree of efficiency	typ. 91 %
Power factor (approx.)	> 0.90 @ 230 V AC
AC failure bridging time @ I_{NOM}	> 20 ms @ 230 V AC / > 20 ms @ 115 V AC
LED green/red	Green: Operation (failure-free), Flashing green: advance warning >90%, Green/red flashing: output switched off (switch-off mode), Flashing red: overload/error
Parallel connection option	Passive Current Sharing
Depth x width x height	125 / 35 / 130 mm
Net weight	850 g

Connection data	
Connection system	PUSH IN with actuator
Number of terminals	3 for L/N/PE
Wire cross-section, rigid min/max	0.5 / 1.5 mm ²
Wire cross-section, flexible min/max	0.5 / 2.5 mm ²
Wire cross-section, AWG/kcmil min/max	20 / 12

Input	Output
PUSH IN with actuator	PUSH IN with actuator
3 for L/N/PE	5 (+ + / - -)
0.5 / 1.5	0.2 / 2.5
0.5 / 2.5	0.2 / 2.5
20 / 12	26 / 12

Input	Output
PUSH IN with actuator	PUSH IN with actuator
3 for L/N/PE	5 (+ + / - -)
0.5 / 1.5	0.2 / 2.5
0.5 / 2.5	0.2 / 2.5
20 / 12	26 / 12

Note

Ordering data

Type	Qty.	Order No.
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Type	Qty.	Order No.
PRO TOP1 72W 24V 3A	1	2466850000

Type	Qty.	Order No.
PRO TOP1 120W 24V 5A	1	2466870000

Note

Current technical data on catalog.weidmueller.com

Current technical data on catalog.weidmueller.com

Accessories

Note

PROtop power supplies to satisfy the highest demands

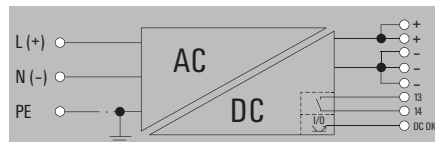
PROtop

- 1-phase power supplies

PRO TOP1 240 W 24 V 10 A



Similar to illustration

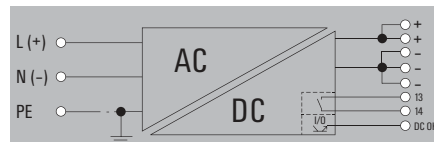


Pay attention to polarity of DC connection

PRO TOP1 480 W 24 V 20 A



Similar to illustration



Pay attention to polarity of DC connection

Technical data

Input
Rated input voltage
Input voltage range AC
Frequency range AC
DC input voltage range
Input fuse (internal) / Inrush current

Output
Rated output voltage
Output voltage
DCL - peak load reserve
Residual ripple, breaking spikes
Power reserve at nom. voltage
Rated (nominal) output current @ U_{Nom}

General data
Derating
Series switching capability
Degree of efficiency
Power factor (approx.)
AC failure bridging time @ I_{Nom}
LED green/red

Parallel connection option
Depth x width x height
Net weight

Approvals

Approvals

preliminary technical data!

100 - 240 V AC / 120 - 340 V DC
85...277 V AC
45...65 Hz
80 ... 410 V DC
Yes / max. 5 A

24 V DC $\pm$ 1 %
22.5...29 V
150 % (5 s); 600 % (12 ms)
< 50 mVss @ U_{Nem} , Full Load
130% permanent at $\leq 40^{\circ}\text{C}$
10 A @ 60°C

> 60°C (2.5% / 1°C)
Yes
typ. 92,5 %
> 0.90 @ 230 V AC
> 20 ms @ 230 V AC / > 20 ms @ 115 V AC

Green: Operation (failure-free), Flashing green: advance warning
 I>90%, Green/red flashing: output switched off (switch-off mode),
 Flashing red: overload/error

Passive Current Sharing
125 / 39 / 130 mm
1050 g

preliminary technical data!

100 - 240 V AC / 120 - 340 V DC
85...277 V AC
45...65 Hz
80 ... 410 V DC
Yes / max. 5 A

24 V DC $\pm$ 1 %
22.5...29 V
150 % (5 s); 500 % (12 ms)
< 50 mVss @ U_{Nem} , Full Load
130% permanent at $\leq 40^{\circ}\text{C}$
20 A @ 60°C

> 60°C (2.5% / 1°C)
Yes
typ. 93,5 %
> 0.90 @ 230 V AC
> 20 ms @ 230 V AC / > 20 ms @ 115 V AC

Green: Operation (failure-free), Flashing green: advance warning
 I>90%, Green/red flashing: output switched off (switch-off mode),
 Flashing red: overload/error

Passive Current Sharing
125 / 68 / 130 mm
1520 g

Connection data
Connection system
Number of terminals
Wire cross-section, rigid min/max
Wire cross-section, flexible min/max
Wire cross-section, AWG/kcmil min/max

mm²mm²

Input	Output
PUSH IN with actuator	PUSH IN with actuator
3 for L/N/PE	5 (+ + / - -)
0.5 / 1.5	0.2 / 2.5
0.5 / 2.5	0.2 / 2.5
20 / 12	26 / 12

Input	Output
PUSH IN	PUSH IN
3 for L/N/PE	5 (+ + / - -)
0.2 / 10	0.2 / 10
0.2 / 6	0.2 / 6
20 / 8	20 / 8

Note

Ordering data

Type	Qty.	Order No.
PRO TOP1 240W 24V 10A	1	2466880000

Type	Qty.	Order No.
PRO TOP1 480W 24V 20A	1	2466890000

Note

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Accessories

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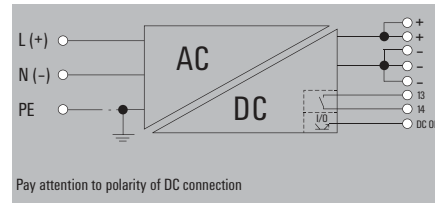
PROtop

- 1-phase power supplies

PRO TOP1 960 W 24 V 40 A



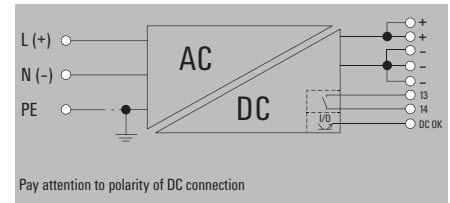
Similar to illustration



PRO TOP1 120 W 12 V 10 A



Similar to illustration



Technical data

Input	
Rated input voltage	100 - 240 V AC / 120 - 340 V DC
Input voltage range AC	85...277 V AC
Frequency range AC	45...65 Hz
DC input voltage range	80 ... 410 V DC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Output	
Rated output voltage	24 V DC $\pm$ 1 %
Output voltage	22.5...29 V
DCL - peak load reserve	150 % (5 s); 300 % (12 ms)
Residual ripple, breaking spikes	< 50 mVss @ U_{Nem} , Full Load
Power reserve at nom. voltage	130% permanent at $\leq 40^{\circ}\text{C}$
Rated (nominal) output current @ U_{Nom}	40 A @ 60°C
General data	
Derating	> 60°C (2.5% / 1°C)
Series switching capability	Yes
Degree of efficiency	typ. 94,5 %
Power factor (approx.)	> 0.90 @ 230 V AC
AC failure bridging time @ I_{Nom}	> 20 ms @ 230 V AC / > 20 ms @ 115 V AC
LED green/red	Green: Operation (failure-free), Flashing green: advance warning I>90%, Green/red flashing: output switched off (switch-off mode), Flashing red: overload/error
Parallel connection option	Passive Current Sharing
Depth x width x height	125 / 124 / 130 mm
Net weight	3400 g
Approvals	
Approvals	

preliminary technical data!

Input	
Rated input voltage	100 - 240 V AC / 120 - 340 V DC
Input voltage range AC	85...277 V AC
Frequency range AC	45...65 Hz
DC input voltage range	80 ... 410 V DC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Output	
Rated output voltage	24 V DC $\pm$ 1 %
Output voltage	22.5...29 V
DCL - peak load reserve	150 % (5 s); 300 % (12 ms)
Residual ripple, breaking spikes	< 50 mVss @ U_{Nem} , Full Load
Power reserve at nom. voltage	130% permanent at $\leq 40^{\circ}\text{C}$
Rated (nominal) output current @ U_{Nom}	40 A @ 60°C
General data	
Derating	> 60°C (2.5% / 1°C)
Series switching capability	Yes
Degree of efficiency	typ. 94,5 %
Power factor (approx.)	> 0.90 @ 230 V AC
AC failure bridging time @ I_{Nom}	> 20 ms @ 230 V AC / > 20 ms @ 115 V AC
LED green/red	Green: Operation (failure-free), Flashing green: advance warning I>90%, Green/red flashing: output switched off (switch-off mode), Flashing red: overload/error
Parallel connection option	Passive Current Sharing
Depth x width x height	125 / 124 / 130 mm
Net weight	3400 g

preliminary technical data!

Input	
Rated input voltage	100 - 240 V AC / 120 - 340 V DC
Input voltage range AC	85...277 V AC
Frequency range AC	45...65 Hz
DC input voltage range	80 ... 410 V DC
Input fuse (internal) / Inrush current	Yes / max. 5 A
Output	
Rated output voltage	12 V DC $\pm$ 1 %
Output voltage	11...15 V
DCL - peak load reserve	150 % (5 s); 400 % (12 ms)
Residual ripple, breaking spikes	< 50 mVss @ U_{Nem} , Full Load
Power reserve at nom. voltage	130% permanent at $\leq 40^{\circ}\text{C}$
Rated (nominal) output current @ U_{Nom}	10 A @ 60°C
General data	
Derating	> 60°C (2.5% / 1°C)
Series switching capability	Yes
Degree of efficiency	typ. 90 %
Power factor (approx.)	> 0.90 @ 230 V AC
AC failure bridging time @ I_{Nom}	> 20 ms @ 230 V AC / > 20 ms @ 115 V AC
LED green/red	Green: Operation (failure-free), Flashing green: advance warning I>90%, Green/red flashing: output switched off (switch-off mode), Flashing red: overload/error
Parallel connection option	Passive Current Sharing
Depth x width x height	125 / 35 / 130 mm
Net weight	850 g

Connection data	
Connection system	
Number of terminals	
Wire cross-section, rigid min/max	mm ²
Wire cross-section, flexible min/max	mm ²
Wire cross-section, AWG/kcmil min/max	

Input	Output
PUSH IN	PUSH IN
3 for L/N/PE	5 (+ + / - -)
0.75 / 16	0.75 / 16
0.75 / 16	0.75 / 16
20 / 4	20 / 4

Input	Output
PUSH IN with actuator	PUSH IN with actuator
3 for L/N/PE	5 (+ + / - -)
0.5 / 1.5	0.2 / 2.5
0.5 / 2.5	0.2 / 2.5
20 / 12	26 / 12

Note

Ordering data

Type	Qty.	Order No.
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Type	Qty.	Order No.
PRO TOP1 960W 24V 40A	1	2466900000

Type	Qty.	Order No.
PRO TOP1 120W 12V 10A	1	2466910000

Note

Current technical data on catalog.weidmueller.com

Current technical data on catalog.weidmueller.com

Accessories

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PROtop power supplies to satisfy the highest demands

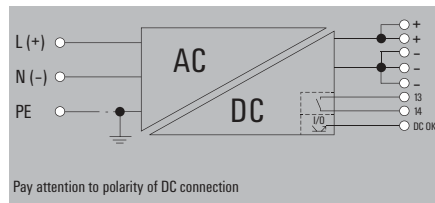
PROtop

- 1-phase power supplies

PRO TOP1 480 W 48 V 10 A



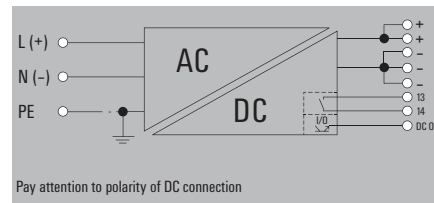
Similar to illustration



PRO TOP1 960 W 48 V 20 A



Similar to illustration



Technical data

Input
Rated input voltage
Input voltage range AC
Frequency range AC
DC input voltage range
Input fuse (internal) / Inrush current
Output
Rated output voltage
Output voltage
DCL - peak load reserve
Residual ripple, breaking spikes
Power reserve at nom. voltage
Rated (nominal) output current @ U_{Nom}
General data
Derating
Series switching capability
Degree of efficiency
Power factor (approx.)
AC failure bridging time @ I_{Nom}
LED green/red
Parallel connection option
Depth x width x height
Net weight
Approvals
Approvals

preliminary technical data!

100 - 240 V AC / 120 - 340 V DC
85...277 V AC
45...65 Hz
80 ... 410 V DC
Yes / max. 5 A
48 V DC $\pm$ 1 %
45...56 V
150 % (5 s); 600 % (12 ms)
< 50 mVss @ U_{Nem} , Full Load
130% permanent at $\leq 40^{\circ}\text{C}$
10 A @ 60°C
> 60°C (2.5% / 1°C)
Yes
typ. 93,5 %
> 0.90 @ 230 V AC
> 20 ms @ 230 V AC / > 20 ms @ 115 V AC
Green: Operation (failure-free), Flashing green: advance warning
I>90%, Green/red flashing: output switched off (switch-off mode),
Flashing red: overload/error
Passive Current Sharing
125 / 68 / 130 mm
1520 g

preliminary technical data!

100 - 240 V AC / 120 - 340 V DC
85...277 V AC
45...65 Hz
80 ... 410 V DC
Yes / max. 15 A
48 V DC $\pm$ 1 %
45...56 V
150 % (5 s); 500 % (12 ms)
< 50 mVss @ U_{Nem} , Full Load
130% permanent at $\leq 40^{\circ}\text{C}$
20 A @ 60°C
> 60°C (2.5% / 1°C)
Yes
typ. 94,5 %
> 0.90 @ 230 V AC
> 20 ms @ 230 V AC / > 20 ms @ 115 V AC
Green: Operation (failure-free), Flashing green: advance warning
I>90%, Green/red flashing: output switched off (switch-off mode),
Flashing red: overload/error
Passive Current Sharing
125 / 124 / 130 mm
3400 g

Connection data
Connection system
Number of terminals
Wire cross-section, rigid min/max
Wire cross-section, flexible min/max
Wire cross-section, AWG/kcmil min/max

Input	Output
PUSH IN	PUSH IN
3 for L/N/PE	5 (+ + / - -)
0.2 / 10	0.2 / 10
0.2 / 6	0.2 / 6
20 / 8	20 / 8

Input	Output
PUSH IN	PUSH IN
3 for L/N/PE	5 (+ + / - -)
0.75 / 16	0.75 / 16
0.75 / 16	0.75 / 16
20 / 4	20 / 4

Note

Ordering data

Type	Qty.	Order No.
------	------	-----------

Type	Qty.	Order No.
PRO TOP1 480W 48V 10A	1	2467030000

Type	Qty.	Order No.
PRO TOP1 960W 48V 20A	1	2466920000

Note

Current technical data on catalog.weidmueller.com

Current technical data on catalog.weidmueller.com

Accessories

Note

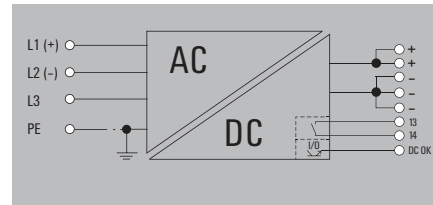
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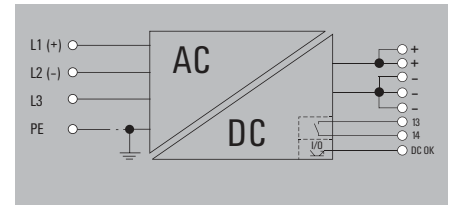
PROtop

- 3-phase power supplies

PRO TOP3 120 W 24 V 5 A



PRO TOP3 240 W 24 V 10 A



Technical data

Input
Rated input voltage
Input voltage range AC
Frequency range AC
DC input voltage range
Input fuse (internal) / Inrush current
Output
Rated output voltage
Output voltage
DCL - peak load reserve
Residual ripple, breaking spikes
Power reserve at nom. voltage
Rated (nominal) output current @ U_{nom}
General data
Derating
Series switching capability
Degree of efficiency
Power factor (approx.)
AC failure bridging time @ I_{nom}
LED green/red
Parallel connection option
Depth x width x height
Net weight
Approvals
Approvals

preliminary technical data!

3 x 400...3 x 500 V AC (wide-range input)
3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC
45...65 Hz
450...800 V DC (max. 500 V DC acc. to UL508)
Yes
24 V DC $\pm 1\%$
22.5...29 V
150 % (5 s); 600 % (12 ms)
< 50 mVss @ U_{nom} , Full Load
130% permanent at $\leq 40^\circ\text{C}$
5 A @ 60°C
> 60°C (2.5% / 1°C)
Yes
> 0.90 @ 230 V AC
> 20 ms @ 230 V AC / > 20 ms @ 115 V AC
Green: Operation (failure-free), Flashing green: advance warning
I>90%, Green/red flashing: output switched off (switch-off mode),
Flashing red: overload/error
Passive Current Sharing
125 / 38 / 130 mm
865 g

preliminary technical data!

3 x 400...3 x 500 V AC (wide-range input)
3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC
45...65 Hz
450...800 V DC (max. 500 V DC acc. to UL508)
Yes
24 V DC $\pm 1\%$
22.5...29 V
150 % (5 s); 600 % (12 ms)
< 50 mVss @ U_{nom} , Full Load
130% permanent at $\leq 40^\circ\text{C}$
10 A @ 60°C
> 60°C (2.5% / 1°C)
Yes
> 0.90 @ 230 V AC
> 20 ms @ 230 V AC / > 20 ms @ 115 V AC
Green: Operation (failure-free), Flashing green: advance warning
I>90%, Green/red flashing: output switched off (switch-off mode),
Flashing red: overload/error
Passive Current Sharing
125 / 49 / 130 mm
965 g

Connection data
Connection system
Number of terminals
Wire cross-section, rigid min/max
Wire cross-section, flexible min/max
Wire cross-section, AWG/kcmil min/max

Input	Output
PUSH IN with actuator	PUSH IN with actuator
4 for L1/L2/L3/PE	5 (+ / - / ...)
0.5 / 1.5	0.2 / 2.5
0.5 / 2.5	0.2 / 2.5
20 / 12	26 / 12

Input	Output
PUSH IN with actuator	PUSH IN with actuator
4 for L1/L2/L3/PE	5 (+ / - / ...)
0.5 / 1.5	0.2 / 2.5
0.5 / 2.5	0.2 / 2.5
20 / 12	26 / 12

Note

Note

Note

Ordering data

Type	Qty.	Order No.
------	------	-----------

Type	Qty.	Order No.
PRO TOP3 120W 24V 5A	1	2467060000

Type	Qty.	Order No.
PRO TOP3 240W 24V 10A	1	2467080000

Note

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Accessories

Note

Note

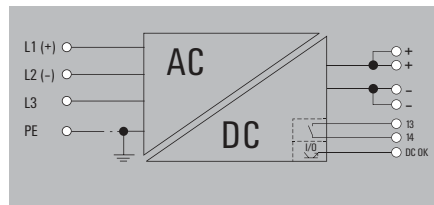
Note

PROtop power supplies to satisfy the highest demands

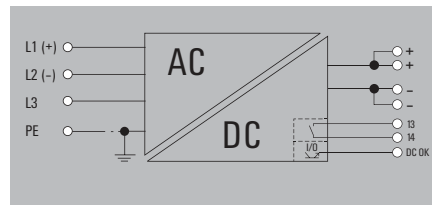
PROtop

- 3-phase power supplies

PRO TOP3 480 W 24 V 20 A



PRO TOP3 960 W 24 V 40 A



Technical data

Input
Rated input voltage
Input voltage range AC
Frequency range AC
DC input voltage range
Input fuse (internal) / Inrush current
Output
Rated output voltage
Output voltage
DCL - peak load reserve
Residual ripple, breaking spikes
Power reserve at nom. voltage
Rated (nominal) output current @ U_{nom}
General data
Derating
Series switching capability
Degree of efficiency
Power factor (approx.)
AC failure bridging time @ I_{nom}
LED green/red
Parallel connection option
Depth x width x height
Net weight
Approvals
Approvals

preliminary technical data!

3 x 400...3 x 500 V AC (wide-range input)
3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC
45...65 Hz
450...800 V DC (max. 500 V DC acc. to UL508)
Yes
24 V DC $\pm 1\%$
22.5...29 V
150 % (5 s); 500 % (12 ms)
< 50 mVss @ U_{nom} , Full Load
130% permanent at $\leq 40^\circ\text{C}$
20 A @ 60°C
> 60°C (2.5% / 1°C)
Yes
> 0.90 @ 230 V AC
> 20 ms @ 230 V AC / > 20 ms @ 115 V AC
Green: Operation (failure-free), Flashing green: advance warning
I>90%, Green/red flashing: output switched off (switch-off mode),
Flashing red: overload/error
Passive Current Sharing
125 / 68 / 130 mm
1450 g

preliminary technical data!

3 x 400...3 x 500 V AC (wide-range input)
3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC
45...65 Hz
450...800 V DC (max. 500 V DC acc. to UL508)
Yes
24 V DC $\pm 1\%$
22.5...29 V
150 % (5 s); 300 % (12 ms)
< 50 mVss @ U_{nom} , Full Load
130% permanent at $\leq 40^\circ\text{C}$
40 A @ 60°C
> 60°C (2.5% / 1°C)
Yes
> 0.90 @ 230 V AC
> 20 ms @ 230 V AC / > 20 ms @ 115 V AC
Green: Operation (failure-free), Flashing green: advance warning
I>90%, Green/red flashing: output switched off (switch-off mode),
Flashing red: overload/error
Passive Current Sharing
175 / 90 / 130 mm
2490 g

Connection data
Connection system
Number of terminals
Wire cross-section, rigid min/max
Wire cross-section, flexible min/max
Wire cross-section, AWG/kcmil min/max

Input	Output
PUSH IN	PUSH IN
4 for L1/L2/L3/PE	4 (++) / -)
0.2 / 10	0.2 / 10
0.2 / 6	0.2 / 6
20 / 8	20 / 8

Input	Output
PUSH IN	PUSH IN
4 for L1/L2/L3/PE	4 (++) / -)
0.75 / 16	0.75 / 16
0.75 / 16	0.75 / 16
20 / 4	20 / 4

Note

Note

Note

Ordering data

Type	Qty.	Order No.
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Type	Qty.	Order No.
PRO TOP3 480W 24V 20A	1	2467100000

Type	Qty.	Order No.
PRO TOP3 960W 24V 40A	1	2467120000

Note

Current technical data on catalog.weidmueller.com

Current technical data on catalog.weidmueller.com

Accessories

Note

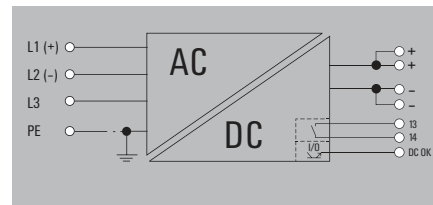
Note

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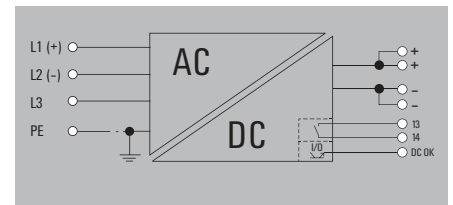
PROtop

- 3-phase power supplies

PRO TOP3 480 W 48 V 10 A



PRO TOP3 960 W 48 V 20 A



Technical data

Input
Rated input voltage
Input voltage range AC
Frequency range AC
DC input voltage range
Input fuse (internal) / Inrush current
Output
Rated output voltage
Output voltage
DCL - peak load reserve
Residual ripple, breaking spikes
Power reserve at nom. voltage
Rated (nominal) output current @ U_{nom}
General data
Derating
Series switching capability
Degree of efficiency
Power factor (approx.)
AC failure bridging time @ I_{nom}
LED green/red
Parallel connection option
Depth x width x height
Net weight
Approvals
Approvals

preliminary technical data!

3 x 400...3 x 500 V AC (wide-range input)
3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC
45...65 Hz
450...800 V DC (max. 500 V DC acc. to UL508)
Yes
24 V DC $\pm 1\%$
45...56 V
150 % (5 s); 500 % (12 ms)
< 50 mVss @ U_{nom} , Full Load
130% permanent at $\leq 40^\circ\text{C}$
10 A @ 60°C
> 60°C (2.5% / 1°C)
No
> 0.90 @ 230 V AC
> 20 ms @ 230 V AC / > 20 ms @ 115 V AC
Green: Operation (failure-free), Flashing green: advance warning
I>90%, Green/red flashing: output switched off (switch-off mode),
Flashing red: overload/error
Passive Current Sharing
125 / 68 / 130 mm
1450 g

preliminary technical data!

3 x 400...3 x 500 V AC (wide-range input)
3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC
45...65 Hz
450...800 V DC (max. 500 V DC acc. to UL508)
Yes
24 V DC $\pm 1\%$
45...56 V
150 % (5 s); 300 % (12 ms)
< 50 mVss @ U_{nom} , Full Load
130% permanent at $\leq 40^\circ\text{C}$
20 A @ 60°C
> 60°C (2.5% / 1°C)
No
> 0.90 @ 230 V AC
> 20 ms @ 230 V AC / > 20 ms @ 115 V AC
Green: Operation (failure-free), Flashing green: advance warning
I>90%, Green/red flashing: output switched off (switch-off mode),
Flashing red: overload/error
Passive Current Sharing
175 / 90 / 130 mm
2490 g

Connection data
Connection system
Number of terminals
Wire cross-section, rigid min/max
Wire cross-section, flexible min/max
Wire cross-section, AWG/kcmil min/max

Input	Output
PUSH IN	PUSH IN
4 for L1/L2/L3/PE	4 (++) / -)
0.2 / 10	0.2 / 10
0.2 / 6	0.2 / 6
20 / 8	20 / 8

Input	Output
PUSH IN	PUSH IN
4 for L1/L2/L3/PE	4 (++) / -)
0.75 / 16	0.75 / 16
0.75 / 16	0.75 / 16
20 / 4	20 / 4

Note

Note

Note

Ordering data

Type	Qty.	Order No.
------	------	-----------

Type	Qty.	Order No.
PRO TOP3 480W 48V 10A	1	2467150000

Type	Qty.	Order No.
PRO TOP3 960W 48V 20A	1	2467170000

Note

Current technical data on catalog.weidmueller.com

Current technical data on catalog.weidmueller.com

Accessories

Note

Note

Note

Small metal foot



Type	Order No.
MTA 30 MF	1251320000

Large metal foot



Type	Order No.
MTA 45 MF	1251310000

Small plastic foot



Type	Order No.
MTA 30 BK	1168970000

Large plastic foot



Type	Order No.
MTA 45 BK	1962250000

Small wall mounting



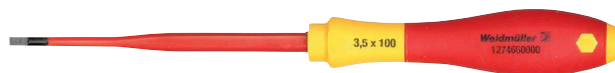
Type	Order No.
CP A WALLADAPTER 30 MM	1461870000

Large wall mounting



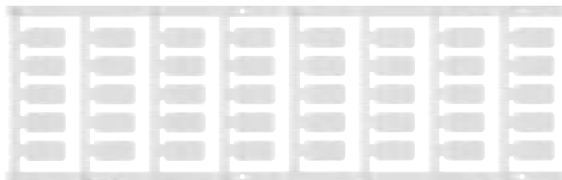
Type	Order No.
CP A WALLADAPTER 45 MM	1461850000

Screwdriver



Type	Blade type	Size/AF	a	b	c	Order No.
SDIS SL 0.6X3.5X100			0.6	3.5	100	1274660000
SDIS SL 0.8X4.0X100			0.8	4	100	1274670000

Markers



Type	Colour	Qty.	Order No.
SM 18/9.5 K MC NE WS	white	200	1248580000

Endwinkel

For DIN rail TS 35



Polyamide with fibre glass, screwable	Colour	Torque	Qty.	Order No.
WEW 35/1 SW	black	1.2 Nm	50	1162600000