

# Powerful power supply for machines and systems

## PROmax offers flexible solutions for ambitious automation

**A** Power supplies for large systems and machines are particularly challenging. Failures caused by device defects impact the entire production line and can result in high costs.

Our high performance and durable PROmax switched-mode power supply units are designed for demanding requirements. Continuous overload of up to 120 % or transient peak loads of 300 % are easy for PROmax to handle.

High boost capability and full power are also enabled over a wide temperature range. Our switched-mode power supply units can be used around the world and are also suitable for tight spaces thanks to their narrow width.

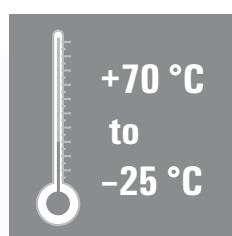


### High boost capability for all industrial systems

Whether in large machines and plants, in power engineering or even in light process systems: Thanks to their high boost capability, the space-saving housing geometries, the wide temperature range and the numerous approvals, our PROmax switched-mode power supply units can be used for universal applications and anywhere in the world.

**Robust and reliable supply**

MTBF values exceeding 500,000 hours and a wide temperature range of  $-25^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$  ensure reliable supply of the systems. Start-up temperatures of  $-40^{\circ}\text{C}$  make the PROmax particularly robust.



$+70^{\circ}\text{C}$   
to  
 $-25^{\circ}\text{C}$

**Space-saving width**

With extremely small width and direct side-by-side fitting, minimal space is required on the DIN rail.

**Universal application**

Variants with 3 A to 40 A output current, output voltages of 5 V DC to 48 V DC and numerous approvals (e.g. GL, UL, Class I, Div. 2) enable universal application solutions the world over.

**Powerful**

Continuous output power of up to 120 % at temperatures up to  $+45^{\circ}\text{C}$  and high output peaks up to 300 % ensure safe operation, also at the limits.

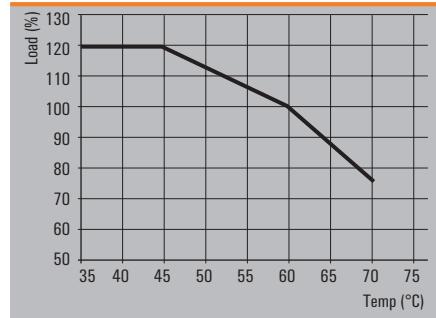
**Robust Input**

With an AC input voltage range of up to 277 V in single-phase devices and SEMI F47, PROmax is extremely robust.

## connectPower PROmax



## Derating curve



## Technical data

## General data

Current limiting	> 120% $I_N$
Insulation voltage input / earth	3.5 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 / Start-up	-25 °C...70 °C / -40 °C...85 °C / ≥ -40 °C
Humidity at operating temperature	5...95 %, no condensation
Protection class / Pollution degree	I, with PE connection / 2
MTBF	>500.000h (25°C, IEC 61709 (SN29500))
Housing version	Metal, corrosion resistant
Status indication	LED red/green and relay (≥21.6 V DC LED green, relay on / ≤20.6 LED red, relay off)

## Mounting position, installation notice

Horizontal on TS35 mounting rail. 50 mm of clearance at top & bottom for air circ. Can mount side by side with no space in between.

## EMC / shock / vibration

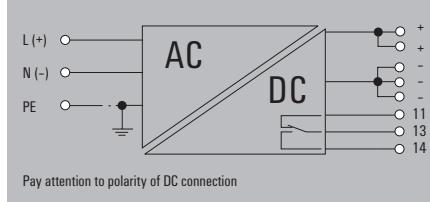
Interference immunity test acc. to	EN 55024, EN 55032, IEC61000-3-2,3, IEC61000-4-2,3,4,5,6,8,11
Shock	30 g in all directions
Resistance to vibration	2.3 g
<b>Electrical safety (applied standards)</b>	
Electrical machine equipment	Acc. to EN60204
Safety transformers for switch-mode power supplies	According to EN 61558-2-16
For use with electronic equipment	Acc. to EN50178 / VDE0160
Protective separation / protection against electrical shock	VDE0100-410 / acc. to DIN57100-410
Protection against dangerous shock currents	Acc. to VDE0106-101

## Permitted continuous limit currents [A]

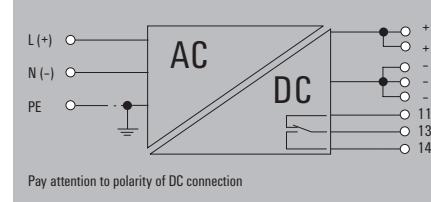
Typ\Temp.	45 °C	50 °C	55 °C	60 °C	65 °C	70 °C
1ph 24 V / 3 A	3.6	3.3	3.2	3	2.6	2.2
1ph 24 V / 5 A	6	5.7	5.4	5	4.4	3.8
1ph 24 V / 7.5 A	9	8.5	8	7.5	6.6	5.6
1ph 24 V / 10 A	12	11.3	10.7	10	8.8	7.5
1ph 24 V / 20 A	24	22.6	21.4	20	17.6	15
1ph 24 V / 40 A	48	45.2	42.8	40	35.2	30
1ph 5 V / 14 A	16.8	15.8	15	14	12.3	10.5
1ph 12 V / 6 A	7.2	6.8	6.4	6	5.3	4.5
1ph 12 V / 10 A	12	11.3	10.7	10	8.8	7.5
1ph 48 V / 5 A	6	5.7	5.4	5	4.4	3.8
1ph 48 V / 10 A	12	11.3	10.7	10	8.8	7.5
1ph 48 V / 20 A	24	22.6	21.4	20	17.6	15
3ph 24 V / 5 A	6	5.7	5.4	5	4.4	3.8
3ph 24 V / 10 A	12	11.3	10.7	10	8.8	7.5
3ph 24 V / 20 A	24	22.6	21.4	20	17.6	15
3ph 24 V / 40 A	48	45.2	42.8	40	35.2	30

## connectPower PROmax

## PRO MAX 72W 24V 3A



## PRO MAX 120W 24V 5A



## Technical data

## Input

Rated input voltage
Input voltage range AC
Frequency range AC
DC input voltage range
AC current consumption
DC current consumption
Input fuse (internal) / Inrush current
Recommended back-up fuse

## Output

Rated output voltage
Output voltage
Residual ripple, breaking spikes
Nominal output current for $U_{\text{nom}}$
Continuous output current @ $U_{\text{Nominal}}$
Reserve capacity @ $U_{\text{Nominal}}$
Current capacity (pulse) @ $U_{\text{Nominal}}$

## General data

Degree of efficiency
Power factor (approx.)
AC failure bridging time @ $I_{\text{nom}}$
Protection against reverse voltages from the load
Parallel connection option
Depth x width x height
Net weight

## Approvals

Approvals

100...240 V AC (wide-range input)

85...277 V AC

45...65 Hz

80...370 V DC

1 A @ 230 V AC / 1.5 A @ 115 V AC

1A @ 370 VDC / 1.5A @ 120 VDC

Yes / max. 15 A

6 A, Char. B, circuit breaker, 3 - 5 A, char. C, circuit breaker

24 V DC ± 1 %

22.5...29.5 V (adjustable via potentiometer)

< 50 mVss @  $U_{\text{Netpp}}$ , Full Load

3 A @ 60 °C

3.6 A @ 45 °C, 2.25 A @ 70 °C

3.6 A (1 min), 4.5 A (4s)

9 A (2ms)

89%

&gt; 0.90 @ 230 V AC

min. 20 ms

30...35 V DC

yes, max. 5

125 / 32 / 130 mm

650 g

CE; cULus; cULusEX; cURus; DNVGL; EAC; TUEV

100...240 V AC (wide-range input)

85...277 V AC

45...65 Hz

80...370 V DC

1A @ 230 VAC / 2.5A @ 115 VAC

1.5A @ 370 VDC / 2.5A @ 120 VDC

Yes / max. 15 A

6 A, Char. B, circuit breaker, 6 A, char. C circuit breaker

24 V DC ± 1 %

22.5...29.5 V (adjustable via potentiometer)

< 50 mVss @  $U_{\text{Netpp}}$ , Full Load

5 A @ 60 °C

6.0 A @ 45 °C, 3.75 A @ 70 °C

6 A (1 min), 7.5 A (4s)

15 A (2ms)

89%

&gt; 0.90 @ 230 V AC

min. 20 ms

30...35 V DC

yes, max. 5

125 / 40 / 130 mm

858 g

CE; cULus; cULusEX; cURus; DNVGL; EAC; TUEV

## 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

Screw connection
3 for L/N/PE
0.18 / 6
0.22 / 4
26 / 10

## Input

Screw connection
3 for L/N/PE
0.18 / 6
0.22 / 4
26 / 10

## Ordering data

Type	Qty.	Order No.
PRO MAX 72W 24V 3A	1	1478100000

Type	Qty.	Order No.
PRO MAX 120W 24V 5A	1	1478110000

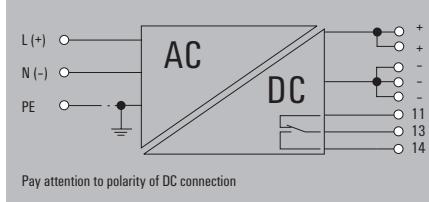
## Note

The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

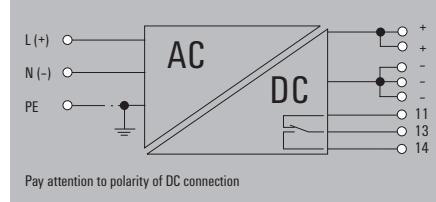
The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

## connectPower PROmax

## PRO MAX 180W 24V 7,5A



## PRO MAX 240W 24V 10A



## Technical data

## Input

Rated input voltage	100...240 V AC (wide-range input)
Input voltage range AC	85...277 V AC
Frequency range AC	45..65 Hz
DC input voltage range	80...370 V DC
AC current consumption	1 A @ 230 V AC / 2 A @ 115 V AC
DC current consumption	1A @ 370 VDC / 2A @ 120 VDC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	10 A, Char. B circuit breaker, 6..8 A, char. C circuit breaker

## Output

Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ $U_{\text{Nom}}$ , Full Load
Nominal output current for $U_{\text{Nom}}$	7,5 A @ 60 °C
Continous output current @ $U_{\text{Nom}}$	9 A @ 45°C, 5,6 A @ 70°C
Reserve capacity @ $U_{\text{Nom}}$	9 A (1 min), 11.25 A (4s)
Current capacity (pulse) @ $U_{\text{Nom}}$	22,5 A (2ms)

## General data

Degree of efficiency	91.5%
Power factor (approx.)	> 0.95 @ 230 V AC
AC failure bridging time @ $I_{\text{Nom}}$	min. 20 ms
Protection against reverse voltages from the load	30...35 V DC
Parallel connection option	yes, max. 5
Depth x width x height	125 / 50 / 130 mm
Net weight	950 g

## Approvals

Approvals	CE; cULus; cULusEX; cURus; DNVGL; EAC; TUEV
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## Connection data

Connection system	Screw connection
Number of terminals	8 (+, -, 11, 13, 14)
Wire cross-section, rigid min/max	0.18 / 6
Wire cross-section, flexible min/max	0.22 / 4
Wire cross-section, AWG/kcmil min/max	26 / 10

## Note

Input	Output
Screw connection	Screw connection
3 for L/N/PE	8 (+, -, 11, 13, 14)
0.18 / 6	0.5 / 6
0.22 / 4	0.5 / 4
26 / 10	26 / 12

Input	Output
Screw connection	Screw connection
3 for L/N/PE	8 (+, -, 11, 13, 14)
0.18 / 6	0.18 / 6
0.22 / 4	0.22 / 4
26 / 10	26 / 10

## Ordering data

Type	Qty.	Order No.
PRO MAX 180W 24V 7,5A	1	1478120000

Type	Qty.	Order No.
PRO MAX 240W 24V 10A	1	1478130000

## Note

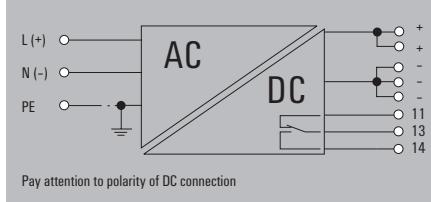
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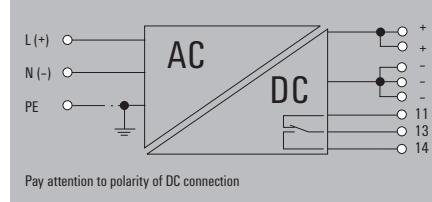


## connectPower PROmax

## PRO MAX 70W 5V 14A



## PRO MAX 72W 12V 6A



## Technical data

## Input

Rated input voltage
Input voltage range AC
Frequency range AC
DC input voltage range
AC current consumption
DC current consumption
Input fuse (internal) / Inrush current
Recommended back-up fuse

## Output

Rated output voltage
Output voltage
Residual ripple, breaking spikes
Nominal output current for $U_{\text{nom}}$
Continuous output current @ $U_{\text{Nominal}}$
Reserve capacity @ $U_{\text{Nominal}}$
Current capacity (pulse) @ $U_{\text{Nominal}}$

## General data

Degree of efficiency
Power factor (approx.)
AC failure bridging time @ $I_{\text{nom}}$
Protection against reverse voltages from the load
Parallel connection option
Depth x width x height
Net weight

## Approvals

Approvals
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100...240 V AC (wide-range input)

85...277 V AC

45...65 Hz

80...370 V DC

1 A @ 230 V AC / 1.5 A @ 115 V AC

1A @ 370 VDC / 1.5A @ 120 VDC

Yes / max. 15 A

6 A, Char. B, circuit breaker, 3 - 5 A, char. C, circuit breaker

5 V DC

4.5...7 V (adjustable via potentiometer)

< 50 mVss @  $U_{\text{Netpp}}$ , Full Load

14 A @ 60°C

16.8 A @ 45°C, 10.5 A @ 70°C

16.8 A (1 min), 21 A (4s)

42 A (2ms)

86%

&gt; 0.90 @ 230 V AC

min. 20 ms

&gt; 7.5 V DC

yes, max. 5

125 / 32 / 130 mm

650 g

CE; cULus; cULusEX; cURus; DNVGL; EAC; TUEV

100...240 V AC (wide-range input)

85...277 V AC

45...65 Hz

80...370 V DC

1 A @ 230 V AC / 1.5 A @ 115 V AC

1A @ 370 VDC / 1.5A @ 120 VDC

Yes / max. 15 A

6 A, Char. B, circuit breaker, 3 - 5 A, char. C, circuit breaker

12 V DC ± 1 %

10...15 V (adjustable via potentiometer)

< 50 mVss @  $U_{\text{Netpp}}$ , Full Load

6 A @ 60°C

7.2 A @ 45°C, 4.5 A @ 70°C

7.2 A (1 min), 9 A (4s)

18 A (2ms)

89%

&gt; 0.90 @ 230 V AC

min. 20 ms

&gt; 18 V DC

yes, max. 5

125 / 32 / 130 mm

650 g

CE; cULus; cULusEX; cURus; DNVGL; EAC; TUEV

## 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

mm<sup>2</sup>mm<sup>2</sup>

## Input                          Output

Screw connection	Screw connection
3 for L/N/PE	8 (+,-,11,13,14)
0.18 / 6	0.5 / 6
0.22 / 4	0.5 / 4
26 / 10	26 / 12

## Input                          Output

Screw connection	Screw connection
3 for L/N/PE	8 (+,-,11,13,14)
0.18 / 6	0.5 / 6
0.22 / 4	0.5 / 4
26 / 10	26 / 12

## Ordering data

Type	Qty.	Order No.
PRO MAX 70W 5V 14A	1	1478210000

Type	Qty.	Order No.
PRO MAX 72W 12V 6A	1	1478220000

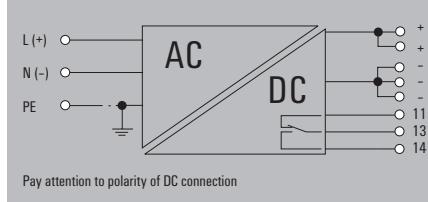
## Note

The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

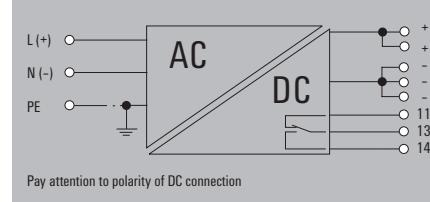
The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

## connectPower PROmax

## PRO MAX 120W 12V 10A



## PRO MAX 240W 48V 5A



## Technical data

## Input

Rated input voltage  
Input voltage range AC  
Frequency range AC  
DC input voltage range  
AC current consumption  
DC current consumption  
Input fuse (internal) / Inrush current  
Recommended back-up fuse

## Output

Rated output voltage  
Output voltage  
Residual ripple, breaking spikes  
Nominal output current for  $U_{\text{nom}}$   
Continuous output current @  $U_{\text{Nominal}}$   
Reserve capacity @  $U_{\text{Nominal}}$   
Current capacity (pulse) @  $U_{\text{Nominal}}$

## General data

Degree of efficiency  
Power factor (approx.)  
AC failure bridging time @  $I_{\text{nom}}$   
Protection against reverse voltages from the load  
Parallel connection option  
Depth x width x height  
Net weight

## Approvals

Approvals

100...240 V AC (wide-range input)  
85...277 V AC  
45...65 Hz  
80...370 V DC  
1A @ 230 VAC / 2,5A @ 115 VAC  
1,5A @ 370 VDC / 2,5A @ 120 VDC  
Yes / max. 15 A  
6 A, Char. B, circuit breaker, 6 A, char. C circuit breaker

12 V DC ± 1 %  
10...15 V (adjustable via potentiometer)  
< 50 mVss @  $U_{\text{Nominal}}$ , Full Load  
10 A @ 60 °C  
12 A @ 45 °C, 7,5 A @ 70 °C  
12 A (1 min), 15 A (4s)  
30 A (2ms)

89%  
> 0.90 @ 230 V AC  
min. 20 ms  
> 18 V DC  
yes, max. 5  
125 / 40 / 130 mm  
850 g

CE; cULus; cULusEX; cURus; DNVGL; EAC; TUEV

100...240 V AC (wide-range input)  
85...277 V AC  
45...65 Hz  
80...370 V DC  
1,5 A @ 230 V AC / 3 A @ 115 V AC  
1,5A @ 370 VDC / 3A @ 120 VDC  
Yes / max. 15 A  
10 A, Char. B circuit breaker, 6...8 A, char. C circuit breaker

48 V DC ± 1 %  
30...56 V (adjustable via potentiometer)  
< 50 mVss @  $U_{\text{Nominal}}$ , Full Load  
5 A @ 60 °C  
6.0 A @ 45 °C, 3,75 A @ 70 °C  
5 A (1 min), 7,5 A (4s)  
15 A (2ms)

92.5%  
> 0.95 @ 230 V AC  
min. 20 ms  
58...65 V DC  
yes, max. 5  
125 / 60 / 130 mm  
1050 g

CE; cULus; cULusEX; cURus; DNVGL; EAC; TUEV

## 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

mm<sup>2</sup>  
mm<sup>2</sup>

**Input**  
Screw connection  
3 for L/N/PE  
0.18 / 6  
0.22 / 4  
26 / 10

**Output**  
Screw connection  
8 (+, -, 11, 13, 14)  
0.5 / 6  
0.5 / 4  
26 / 12

**Input**  
Screw connection  
3 for L/N/PE  
0.18 / 6  
0.22 / 4  
26 / 10

**Output**  
Screw connection  
8 (+, -, 11, 13, 14)  
0.18 / 6  
0.22 / 4  
26 / 10

## Ordering data

Type	Qty.	Order No.
PRO MAX 120W 12V 10A	1	1478230000

Type	Qty.	Order No.
PRO MAX 240W 48V 5A	1	1478240000

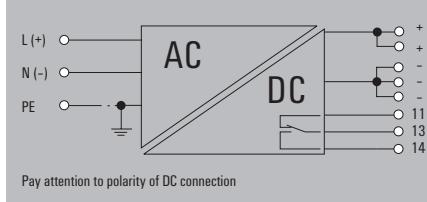
## Note

The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

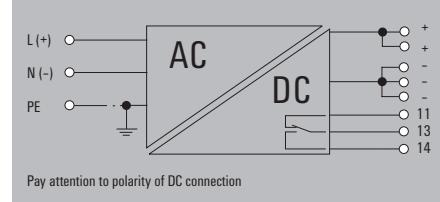
The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

## connectPower PROmax

## PRO MAX 480W 48V 10A



## PRO MAX 960W 48V 20A



## Technical data

## Input

Rated input voltage
Input voltage range AC
Frequency range AC
DC input voltage range
AC current consumption
DC current consumption
Input fuse (internal) / Inrush current
Recommended back-up fuse

## Output

Rated output voltage
Output voltage
Residual ripple, breaking spikes
Nominal output current for $U_{\text{nom}}$
Continuous output current @ $U_{\text{Nominal}}$
Reserve capacity @ $U_{\text{Nominal}}$
Current capacity (pulse) @ $U_{\text{Nominal}}$

## General data

Degree of efficiency
Power factor (approx.)
AC failure bridging time @ $I_{\text{nom}}$
Protection against reverse voltages from the load
Parallel connection option
Depth x width x height
Net weight

## Approvals

Approvals

100...240 V AC (wide-range input)

85...277 V AC

45...65 Hz

80...370 V DC

2,3A @ 230 VAC / 4,8A @ 115 VAC

1,5A @ 370 VDC / 4,8A @ 120 VDC

Yes / max. 15 A

16 A, char. B circuit breaker, 10 A, Char. C circuit breaker

100...240 V AC (wide-range input)

85...277 V AC

45...65 Hz

80...370 V DC

4,52A @ 230 VAC / 10A @ 115 VAC

2,8A @ 370 VDC / 10A @ 120 VDC

Yes / max. 15 A

20 A, char. B circuit breaker, 16 A, char. C, circuit breaker

48 V DC ± 1 %

30...56 V (adjustable via potentiometer)

< 50 mVss @  $U_{\text{Nominal}}$ , Full Load

10 A @ 60 °C

12 A @ 45 °C, 7,5 A @ 70 °C

12 A (1 min), 15 A (4s), 100...240 V AC

60 A (2ms)

93%

&gt; 0.95 @ 230 V AC

min. 20 ms

58...65 V DC

yes, max. 5

150 / 90 / 130 mm

2000 g

CE; cULus; cULusEX; cURus; DNVGL; EAC; TUEV

## 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

## Note

## Input

Screw connection
3 for L/N/PE
0.18 / 6
0.22 / 4
26 / 10

## Output

Screw connection
8 (+,-,11,13,14)
0.18 / 6
0.22 / 4
26 / 10

## Input

Screw connection
3 for L/N/PE
0.18 / 6
0.22 / 4
26 / 10

## Output

8 (+,-,11,13,14)
0.5 / 16
0.5 / 16
22 / 8

## Ordering data

Type	Qty.	Order No.
PRO MAX 480W 48V 10A	1	1478250000

Type	Qty.	Order No.
PRO MAX 960W 48V 20A	1	1478270000

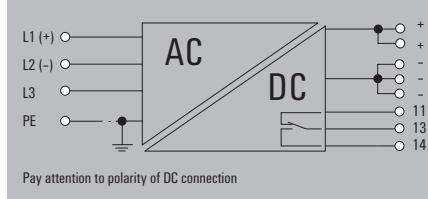
## Note

The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

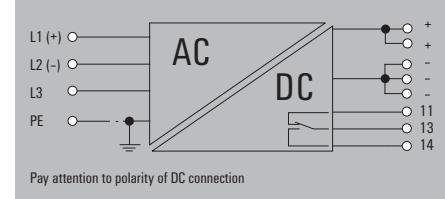
The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

## connectPower PROmax

## PRO MAX3 120W 24V 5A



## PRO MAX3 240W 24V 10A



## Technical data

## Input

Rated input voltage
Input voltage range AC
Frequency range AC
DC input voltage range
AC current consumption
DC current consumption
Input fuse (internal) / Inrush current
Recommended back-up fuse

## Output

Rated output voltage
Output voltage
Residual ripple, breaking spikes
Nominal output current for $U_{\text{nom}}$
Continuous output current @ $U_{\text{Nominal}}$
Reserve capacity @ $U_{\text{Nominal}}$
Current capacity (pulse) @ $U_{\text{Nominal}}$

## General data

Degree of efficiency
Power factor (approx.)
AC failure bridging time @ $I_{\text{nom}}$
Protection against reverse voltages from the load
Parallel connection option
Depth x width x height
Net weight

## Approvals

Approvals
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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)
0,28A @ 3*500 VAC / 0,3A @ 3*400 VAC
0,18 A @ 800 V DC / 0,3 A @ 450 V DC
Yes / max. 15 A
2...3 A, char. C circuit breaker

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)
0,35A @ 3*500 VAC / 0,4A @ 3*400 VAC
0,35 A @ 800 V DC / 0,6 A @ 450 V DC
Yes / max. 15 A
3...5 A, char. C, circuit breaker

24 V DC ± 1 %
22.5...29.5 V (adjustable via potentiometer)
< 50 mVss @ $U_{\text{Netmp}}$ , Full Load
5 A @ 60 °C
6.0 A @ 45 °C, 3.75 A @ 70 °C
6 A (1 min), 7.5 A (4s), 400...500 V AC
15 A (2ms)

24 V DC ± 1 %
22.5...29.5 V (adjustable via potentiometer)
< 50 mVss @ $U_{\text{Netmp}}$ , Full Load
10 A @ 60 °C
12 A @ 45 °C, 7.5 A @ 70 °C
12 A (1 min), 15 A (4s)
30 A (2ms)

90%
> 0.50 @ 3x400 V AC
min. 20 ms
30...35 V DC
yes, max. 5
125 / 40 / 130 mm
783 g

91.5%
> 0.85 @ 3*400 V AC
min. 20 ms
30...35 V DC
yes, max. 5
125 / 60 / 130 mm
1322 g

CE; cULus; cULusEX; cURus; DNVGL; EAC; TUEV
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CE; cULus; cULusEX; cURus; DNVGL; EAC; TUEV
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## 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
Screw connection	Screw connection
4 for L1/L2/L3/PE	8 (+, -, 11, 13, 14)
0.18 / 6	0.5 / 6
0.22 / 4	0.5 / 4
26 / 10	26 / 12

Input	Output
Screw connection	Screw connection
4 for L1/L2/L3/PE	8 (+, -, 11, 13, 14)
0.18 / 6	0.18 / 6
0.22 / 4	0.22 / 4
26 / 10	26 / 10

## Ordering data

Type	Qty.	Order No.
PRO MAX3 120W 24V 5A	1	1478170000

Type	Qty.	Order No.
PRO MAX3 240W 24V 10A	1	1478180000

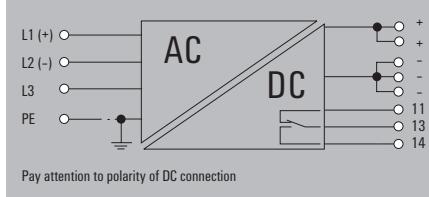
## Note

The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

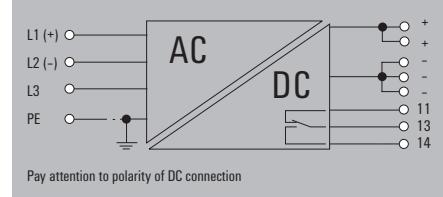
The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

## connectPower PROmax

## PRO MAX3 480W 24V 20A



## PRO MAX3 960W 24V 40A



## Technical data

## Input

Rated input voltage
Input voltage range AC
Frequency range AC
DC input voltage range
AC current consumption
DC current consumption
Input fuse (internal) / Inrush current
Recommended back-up fuse

## Output

Rated output voltage
Output voltage
Residual ripple, breaking spikes
Nominal output current for $U_{\text{nom}}$
Continuous output current @ $U_{\text{Nominal}}$
Reserve capacity @ $U_{\text{Nominal}}$
Current capacity (pulse) @ $U_{\text{Nominal}}$

## General data

Degree of efficiency
Power factor (approx.)
AC failure bridging time @ $I_{\text{nom}}$
Protection against reverse voltages from the load
Parallel connection option
Depth x width x height
Net weight

## Approvals

Approvals
CE; cULus; cULusEX; cURus; DNVGL; EAC; TUEV

## 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

## Note

## Ordering data

Type	Qty.	Order No.
PRO MAX3 480W 24V 20A	1	1478190000

## Note

## Input

Screw connection
4 for L1/L2/L3/PE
0.18 / 6
0.22 / 4
26 / 10

## Type

PRO MAX3 480W 24V 20A	1	1478190000
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## Input

Screw connection
4 for L1/L2/L3/PE
0.18 / 6
0.22 / 4
26 / 10

## Type

PRO MAX3 960W 24V 40A	1	1478200000
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## Note

The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

**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

**Small screwdriver**

Type	Size/AF	a	b	c	Order No.
SDIK PH 1 X 80				80	2749890000
SDIS 0.5X3.0X100		0.5	3	100	2749800000

**Large screwdriver**

Type	Size/AF	a	b	c	Order No.
SDIS 1.0X5.5X125		1	5.5	125	2749850000

**Markers**

Type	Colour	Qty.	Order No.
SM 18/9.5 KMC 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