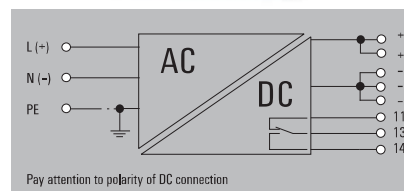
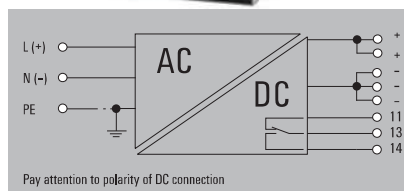


connectPower PROmax

PRO MAX 480W 24V 20A

PRO MAX 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

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

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

24 V DC \pm 1 %
22.5...29.5 V (adjustable via potentiometer)
< 50 mVss @ U_{Nom} , Full Load
20 A @ 60 °C
24 A @ 45°C, 15 A @ 70°C
24 A (1 min), 30 A (4s), 100...240 V AC
60 A (2ms)

24 V DC \pm 1 %
22.5...29.5 V (adjustable via potentiometer)
< 50 mVss @ U_{Nom} , Full Load
40 A @ 60 °C
48 A @ 45°C, 30 A @ 70°C
48 A (1 min), 60 A (4s), 100...240 V AC
120 A (2ms)

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

92 %
> 0.95 @ 230 V AC
min. 20 ms
30...35 V DC
yes, max. 3
150 / 90 / 130 mm
2000 g

93%
> 0.95 @ 230 V AC
min. 20 ms
30...35 V DC
yes, max. 3
150 / 140 / 130 mm
3900 g

Approvals

CE, cULus, cULus listed C1D2, cURus, RCM, EAC, SEMI F47, CB-scheme, CCC, GL, TUEV

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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
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

Input	Output
Screw connection	Screw connection
3 for L/N/PE	8 (+,-,11,13,14)
0.18 / 6	0.5 / 16
0.22 / 4	0.5 / 16
26 / 10	22 / 8

Note

Ordering data

Type	Qty.	Order No.
PRO MAX 480W 24V 20A	1	1478140000

Type	Qty.	Order No.
PRO MAX 960W 24V 40A	1	1478150000

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.