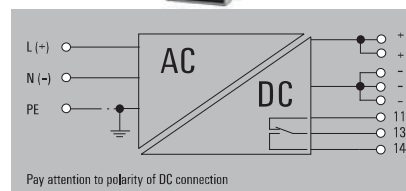
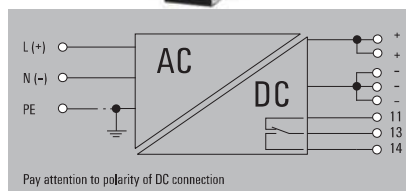


connectPower PROmax

PRO MAX 72W 24V 3A

PRO MAX 120W 24V 5A



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 / 1.5 A @ 115 V AC
DC current consumption	1A @ 370 VDC / 1,5A @ 120 VDC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	6 A, Char. B, circuit breaker, 3 - 5 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 _{Nom} , Full Load
Nominal output current for U _{Nom}	3 A @ 60 °C
Continuous output current @ U _{Nom}	3,6 A @ 45°C, 2,25 A @ 70°C
Reserve capacity @ U _{Nom}	3,6 A (1 min), 4,5 A (4s)
Current capacity (pulse) @ U _{Nom}	9 A (2ms)

General data

Degree of efficiency	89%
Power factor (approx.)	> 0.90 @ 230 V AC
AC failure bridging time @ I _{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 / 32 / 130 mm
Net weight	650 g

Approvals

Approvals	CE, cULus, cULus listed C1D2, cURus, RCM, EAC, SEMI F47, CB-scheme, CCC, GL, TUEV
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Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	6 A, Char. B, circuit breaker, 3 - 5 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 _{Nom} , Full Load
Nominal output current for U _{Nom}	5 A @ 60 °C
Continuous output current @ U _{Nom}	6.0 A @ 45 °C, 3,75 A @ 70 °C
Reserve capacity @ U _{Nom}	6 A (1 min), 7.5 A (4s)
Current capacity (pulse) @ U _{Nom}	15 A (2ms)

General data

Degree of efficiency	89%
Power factor (approx.)	> 0.90 @ 230 V AC
AC failure bridging time @ I _{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 / 40 / 130 mm
Net weight	859 g

Approvals

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

Connection system	Screw connection
Number of terminals	3 for L/N/PE
Wire cross-section, rigid min/max	0.18 / 6 mm ²
Wire cross-section, flexible min/max	0.22 / 4 mm ²
Wire cross-section, AWG/kcmil min/max	26 / 10

Note

Input Output

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

Input Output

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

Ordering data

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

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.

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