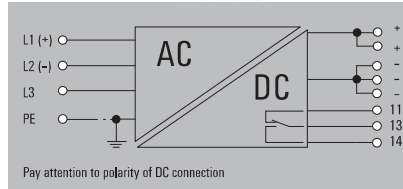


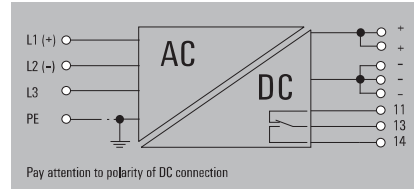
connectPower PROmax

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

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)
0,7A @ 3*500 VAC / 0,85 @ 3*400 VAC
0,7 A @ 800 V DC / 1,2 A @ 450 V DC
Yes / max. 15 A
3 - 5 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)
1,3A @ 3*500 VAC / 1,6A @ 3*400 VAC
1,4 A @ 800 V DC / 2,4 A @ 450 V DC
Yes / max. 15 A
6...8 A, char. C circuit breaker

Output

Rated output voltage
Output voltage
Residual ripple, breaking spikes
Nominal output current for U_{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)
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), 400...500 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

91.5%
> 0.85 @ 3*400 V AC
min. 20 ms
30...35 V DC
yes, max. 3
150 / 70 / 130 mm
1600 g

93.5%
> 0.75 @ 3x400 V AC
min. 20 ms
30...35 V DC
yes, max. 3
150 / 140 / 130 mm
3400 g

Approvals

Approvals

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

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

Input	Output
Screw connection	Screw connection
4 for L1/L2/L3/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 MAX3 480W 24V 20A	1	1478190000

Type	Qty.	Order No.
PRO MAX3 960W 24V 40A	1	1478200000

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.