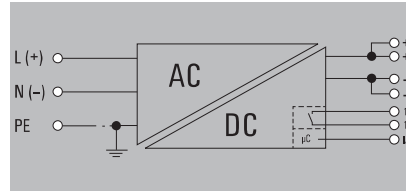


PROtop - for the highest standards

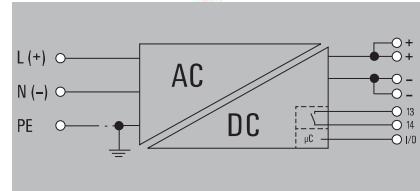
connectPower PROtop

- 1-phase power supplies

PRO TOP1 240W 24V 10A EX



PRO TOP1 480W 24V 20A EX



Technical data

Input		
Rated input voltage	100 - 240 V AC / 120 - 340 V DC	100 - 240 V AC / 120 - 340 V DC
Input voltage range AC	85...277 V AC	85...277 V AC
Frequency range AC	45...65 Hz	45...65 Hz
DC input voltage range	80 ... 410 V DC	80 ... 410 V DC
Input fuse (internal) / Inrush current	Yes / max. 5 A	Yes / max. 5 A
Output		
Rated output voltage	24 V DC \pm 1 %	24 V DC \pm 1 %
Output voltage	22.5...28.8 V	22.5...28.8 V
DCL - peak load reserve	150 % (5 s); 600 % (15 ms)	150 % (5 s); 500 % (15 ms)
Residual ripple, breaking spikes	< 50 mV _{SS} @ U _{NOM} , Full Load	< 50 mV _{SS} @ U _{NOM} , Full Load
Reserve capacity @ U _{NOM}	130% permanent at \leq 40°C, 150 % (5 s)	130% permanent at \leq 40°C, 150 % (5 s)
Nominal output current for U _{NOM}	10 A @ 60 °C	20 A @ 60 °C
General data		
Derating	> 60°C (2.5% / 1°C)	> 60°C (2.5% / 1°C)
Series switching capability	Yes	Yes
Degree of efficiency	92 %	93%
Power factor (approx.)	> 0,9	> 0,9
AC failure bridging time @ I _{NOM}	> 20 ms @ 230 V AC / > 20 ms @ 115 V AC	> 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	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	yes, max 10	yes, max 10
Depth x width x height	125 / 39 / 130 mm	125 / 68 / 130 mm
Net weight	1.05 g	1520 g
Approvals		
Approvals	CE, cULus listed C1D2, TUEV, ATEX, IECEx, EAC, Marine approvals (in preparation)	CE, cULus listed C1D2, TUEV, ATEX, IECEx, EAC, Marine approvals (in preparation)

Connection data		Input	Output
Connection system		Clamping yoke	Clamping yoke connection
Number of terminals		3 for L/N/PE	4 (+ + / - -)
Wire cross-section, rigid min/max	mm ²	0,2 / 4	0,2 / 4
Wire cross-section, flexible min/max	mm ²	0,2 / 4	0,2 / 4
Wire cross-section, AWG/kcmil min/max		30 / 12	30 / 12
Note			

Ordering data

Type	Qty.	Order No.	Type	Qty.	Order No.
PRO TOP1 240W 24V 10A EX	1	2466990000	PRO TOP1 480W 24V 20A EX	1	2467000000

Note