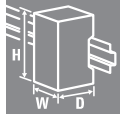


connectPower PROeco

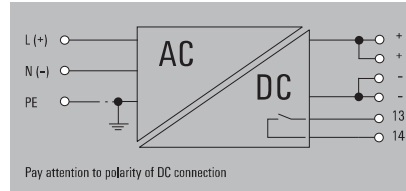
connectPower PROeco



PRO ECO 240W 24V 10A



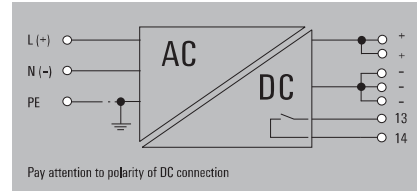
Similar
to illustration



PRO ECO 480W 24V 20A



Similar
to illustration



Technical data

Input	
Rated input voltage	100...240 V AC (wide-range input)
Input voltage range AC	85...264 V AC (derating at 100 V AC)
Frequency range AC	47...63 Hz
DC input voltage range	80...370 V DC (Derating @ 120 V DC)
AC current consumption	1,23 A @ 230 V AC / 2,47 A @ 110 V AC
DC current consumption	1,18 A @ 370 V DC / 2,4 A @ 120 V DC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	4 A / DI, safety fuse 10 A, Char. B, circuit breaker 3..4 A, Char. C, circuit breaker
Output	
Rated output voltage	24 V DC \pm 1 %
Output voltage	22...28 V (adjustable via potentiometer)
Ramp-up time / Residual ripple, breaking spikes	\leq 100 ms / $<$ 50 mV _{pp} @ 24 V DC, I _N
Nominal output current for U _{nom}	10 A @ 55 °C
Continuous output current @ U _{Nominal}	10 A @ 55 °C, 2.5 A @ 70 °C
Capacitive load	unrestricted
Protection against inverse voltage	Yes
Signalling	
Indication	Green LED (U _{output} > 21.6 V DC), Yellow LED (I _{output} > 90 % I _{Rated} typ.), red LED (overload, overtemperature, short-circuit, U _{output} < 20.4 V DC)
Floating contact / Contact load	Yes / max. 30 V DC / 1 A
Relay on/off	Output voltage >21.6 V DC / <20.4 V DC, overload
General data	
Degree of efficiency	90%
Power loss idling / nominal load / Power loss, nominal load	2 W / 24 W
Earth leakage current, max.	3.5 mA
Power factor (approx.)	> 0.94 @ 230 V AC / > 0.99 @ 115 V AC
AC failure bridging time @ I _{nom}	> 20 ms @ 230 V AC / > 20 ms @ 115 V AC
Parallel connection option	yes, max. 5
Depth x width x height / Net weight	100 / 60 / 125 mm / 1018.5 g
Approvals	
Approvals	CE, TUEV (EN/IEC 60950-1), cULus, EAC
Connection data	
Connection system	Screw connection
Number of terminals	3 for L/N/PE
Wire cross-section, rigid min/max	0.5 / 6 mm ²
Wire cross-section, flexible min/max	0.5 / 2.5 mm ²
Wire cross-section, AWG/kcmil min/max	26 / 12
Note	

Ordering data

Type	Qty.	Order No.
PRO ECO 240W 24V 10A	1	1469490000

Note

Type	Qty.	Order No.
PRO ECO 240W 24V 10A	1	1469490000

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

Input	
Rated input voltage	100...240 V AC (wide-range input)
Input voltage range AC	85...264 V AC (derating at 100 V AC)
Frequency range AC	47...63 Hz
DC input voltage range	80...370 V DC (Derating @ 120 V DC)
AC current consumption	2,37 A @ 230 V AC / 5,2 A @ 110 V AC
DC current consumption	1,55 A @ 370 V DC / 4,65 A @ 120 V DC
Input fuse (internal) / Inrush current	Yes / max. 5 A
Recommended back-up fuse	6 A / DI, safety fuse 16 A, Char. B, circuit breaker 6..8 A, Char. C, circuit breaker
Output	
Rated output voltage	24 V DC \pm 1 %
Output voltage	22...28 V (adjustable via potentiometer)
Ramp-up time / Residual ripple, breaking spikes	\leq 100 ms / $<$ 50 mV _{pp} @ 24 V DC, I _N
Nominal output current for U _{nom}	20 A @ 55 °C
Continuous output current @ U _{Nominal}	20 A @ 55 °C, 15 A @ 70 °C
Capacitive load	unrestricted
Protection against inverse voltage	Yes
Signalling	
Indication	Green LED (U _{output} > 21.6 V DC), Yellow LED (I _{output} > 90 % I _{Rated} typ.), red LED (overload, overtemperature, short-circuit, U _{output} < 20.4 V DC)
Floating contact / Contact load	Yes / max. 30 V DC / 1 A
Relay on/off	Output voltage >21.6 V DC / <20.4 V DC, overload
General data	
Degree of efficiency	91%
Power loss idling / nominal load / Power loss, nominal load	5 W / 43 W
Earth leakage current, max.	3.5 mA
Power factor (approx.)	> 0.98...230 V AC / > 0.98...115 V AC
AC failure bridging time @ I _{nom}	> 20 ms @ 230 V AC / > 20 ms @ 115 V AC
Parallel connection option	yes, max. 3
Depth x width x height / Net weight	120 / 100 / 125 mm / 1557 g
Approvals	
Approvals	CE, TUEV (EN/IEC 60950-1), cULus, EAC
Connection data	
Connection system	Screw connection
Number of terminals	3 for L/N/PE
Wire cross-section, rigid min/max	0.5 / 6 mm ²
Wire cross-section, flexible min/max	0.5 / 2.5 mm ²
Wire cross-section, AWG/kcmil min/max	26 / 12
Note	

Type	Qty.	Order No.
PRO ECO 480W 24V 20A	1	1469510000

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