

Single-phase, primary switched mode power supply **PEL 230/12-2**



Picture shows PEL 230/24/1,3

Advantages

Stabilised and adjustable output voltage
DC OK signalling via LEDs
Parallel connection option
Service-friendly spring-loaded connector system
Panel installation on mounting rails
3 years warranty

Applications

Primary switched mode power supply is concentrated on the core task of voltage and current supply. Flat step profile optimised for installation in control panels in the building automation.

Standards

Primary switched mode power supply
to UL 60950, UL 508

Safety:
EN 61558-2-16, EN 60950-1

EMC:
EN 61204-3

Approvals



UL/CSA 60950 recognised, UL508 listed, Germanischer Lloyd



Single-phase, primary switched mode power supply PEL 230/12-2

Type	PEL 230/12-2
Electrical data	
Input	
Input rated voltage	100 - 240 Vac
Input voltage range	85 - 264 Vac (120 - 373 Vdc)
Input rated current (rated load)	0.7 / 0.4 A (110 / 230 Vac)
Rated frequency range	44 - 66 Hz / 0 Hz
Starting current limiter	<30 A, NTC
Input fuse internal	2 A (slow-blow)
Recommended back-up fuse (circuit breaker)	6 A, 10 A, 16 A, characteristics B, C
Mains buffering (rated load)	10 / 80 ms
Transient surge voltage protection	Varistor
Output	
Output rated voltage	12 Vdc
Output voltage range	10.5 - 15.5 Vdc
Output rated current	2.00 A
Resistance to reverse feed max.	25 Vdc
Overload behaviour	Constant current
Ripple factor	typ. 100 mVss
Parallel connection	Yes
Serial operation	Yes
Efficiency	typ. 80 %
Signaling	
Power Good (DC OK)	LED green
Approvals	
Approvals	cURus, cULus, GL
Environment	
Ambient temperature	-25 °C to +55 °C
Storage temperature	-25 °C to +85 °C
Derating	-3 %/K > +45 °C
Current capacity by any mounting position	max. 1.4 A
Safety and protection	
Protection index	IP 20
Safety class	II, (in closed cabinet)
Order numbers	
Order Number	PEL 230/12-2

Type	PEL 230/12-2
Mechanical data	
Terminal and mounting	
Terminals input, (spring clamp terminal)	max. 2.5 mm ²
Terminals output, (spring clamp terminal)	max. 2.5 mm ²
Mounting position	vertical
Fixing method	DIN rail system TS35
Measures and weights	
Weight	0.17 kg

