

Single phase, primary switched mode power supply **PEL 230/18-2,5**



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

Applications

Primary switch mode power supply is concentrated on the core task of voltage and current supply. Flat step profile optimized 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 (E213214), UL508 listed (E219022)
Germanischer Lloyd prepared



Single phase, primary switched mode power supply PEL 230/18-2,5

Electrical data

Type	PEL 230/18-2,5
Input	
Input rated voltage	100 - 240 Vac
Input voltage range	85 - 264 Vac (120 - 373 Vdc)
Input rated current (rated load)	0.72 / 0.42 A (110 / 230 Vac)
Rated frequency range	44 - 66 Hz / 0 Hz
Starting current limiter	<30 A, NTC
Input fuse internal	4 A (slow-blow)
Recommended back-up fuse (circuit breaker)	6 A, 10 A, 16 A, characteristics B, C
Mains buffering	25 / 120 ms
Transient surge voltage protection	Varistor
Output	
Output rated voltage	18 Vdc $\pm 2\%$
Output voltage range	15 - 28 Vdc
Output rated current	2.50 A
Resistance to reverse feed max.	35 Vdc
Overload behaviour	Constant current
Ripple factor	typ. 50 mVss
Parallel connection	Yes
Serial operation	Yes
Efficiency	typ. 83 %
Signaling	
Power Good (DC OK)	LED green
Standards	
Classification	Primary switched mode power supply
Approvals	
Approvals	in preparation
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. 1.6 A
Safety and protection	
Protection index	IP 20
Safety class	II, (in closed cabinet)
Order numbers	
Order Number	PEL 230/18-2,5

Mechanical data

Type	PEL 230/18-2,5
Terminal and mounting	
Connections output, (spring clamp terminal)	max. 2.5 mm ²
Connections input, (spring clamp terminal)	max. 2.5 mm ²
Mounting position	vertical
Fixing method	DIN Rail system TH 35
Measures and weights	
Weight	0.24 kg

