

# Single-phase, primary switched mode power supply **PEL 230/12-4**



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

## 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



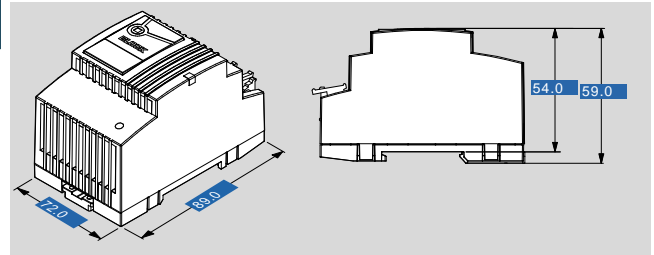
UL/CSA 60950 recognised, UL508 listed, Germanischer Lloyd



# Single-phase, primary switched mode power supply PEL 230/12-4

Type	PEL 230/12-4
<b>Electrical data</b>	
<b>Input</b>	
Input rated voltage	100 - 240 Vac
Input voltage range	85 - 264 Vac (120 - 373 Vdc)
Input rated current (rated load)	0.9 / 0.5 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	10 / 80 ms
Transient surge voltage protection	Varistor
<b>Output</b>	
Output rated voltage	12 Vdc $\pm$ 2 %
Output voltage range	10.5 - 15.5 Vdc
Output rated current	4.00 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. 85 %
<b>Signaling</b>	
Power Good (DC OK)	LED green
<b>Approvals</b>	
Approvals	cURus, cULus, GL
<b>Environment</b>	
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. 2.4 A
<b>Safety and protection</b>	
Protection index	IP 20
Safety class	II, (in closed cabinet)
<b>Order numbers</b>	
<b>Order Number</b>	<b>PEL 230/12-4</b>

Type	PEL 230/12-4
<b>Mechanical data</b>	
<b>Terminal and mounting</b>	
Connections input, (spring clamp terminal)	max. 2.5 mm <sup>2</sup>
Connections output, (spring clamp terminal)	max. 2.5 mm <sup>2</sup>
Mounting position	vertical
Fixing method	DIN Rail system TH 35
<b>Measures and weights</b>	
Weight	0.24 kg



Subjects to change.