#### PM-0124-010-0



## Advantages

Stabilised and adjustable output voltage

Low stand-by consumption <1 W

Constant current limiting without overload shutdown

DC OK signalling

Push-in terminals

Panel installation on mounting rails

In compliance with EN 60335-1

3 years warranty

### **Applications**

Efficient, primary switched mode power supply in slim plastic enclosure. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology as well as industrial and building  $\,$ automation. The devices cover the lower and average power requirements from 25 W to 100 W. Versions with 12 V, 24 V, 30.5 V and 48 V are available, enabling a whole range of applications. A version with 3.8 A rated current is available for establishing NEC Class 2 circuits. All power supplies also comply with the EN 60335-1 standard for domestic appliances. The output voltage can be easily set using the rotary potentiometer on the front of the enclosure. The DIN rail fastening method and push-in connection terminals enable fast and secure mounting.

Versions for construction of AS-i circuits as well as for medical applications according to UL 60601 are available.

#### Standards

Primary switched mode power supply to UL 60950, UL 508

EN 61558-2-16, EN 60950-1, EN 60335-1

EMC: EN 61204-3 Approvals







UL/CSA 60950 recognised, UL508 listed, GL, EAC



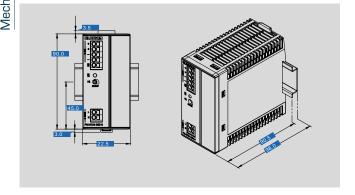


Order Number

# Single-phase, primary switched mode power supply **PM-0124-010-0**

_	B11 0404 040 0
Type	PM-0124-010-0
Special features	
Special features Characteristics	For establishing NEC Class 2 circuits
Input	· ·
Input rated voltage	100 - 240 Vac
Input rated voltage Input voltage range Input voltage derating Rated frequency range Input rated current (rated load) Starting current limiter	85 - 264 Vac (120 - 372 Vdc)
Input voltage range	-2.5 %/Vac < 95 Vac
Rated frequency range	44 Hz - 66 Hz / 0 Hz
Input rated current (rated load)	0.43 A (100 Vac) / 0.2 A (240 Vac)
Starting current limiter	< 30 A, NTC
Switch-on time	2.3 s (100 Vac) / 0.74 s (230 Vac)
Power factor	0.48
Input fuse internal	4 A
•	6 A, 10 A, 16 A,
Recommended back-up fuse (circuit breaker)	characteristic B, C
Mains buffering (rated load)	20 ms (100 Vac) / 120 ms (230 Vac)
Transient surge voltage protection	Varistor
Output	
Output rated voltage	24 Vdc
Output voltage range	23 - 28,5 Vdc
Output rated current	1 A / NEC Class 2
Output limited current	1.25 1.4 A (constant current)
Class 2 output (UL Limited Power Source, LPS)	Yes
Parallel connection	Yes
Serial operation	Yes
Power dissipation, no load/rated load	< 1 W / 4 W (230 Vac)
Max. power losses	5 W (100 Vac / 24 V / 1 A)
Ripple factor	typ. 20mVss
Resistance to reverse feed max.	35 Vdc
Over-voltage-protection	max. 39 Vdc
Efficiency	86 %
Signaling	
Status indicator	LED green
	Uout > typ. 21.5 Vdc
	LED lit permanently
	Active high signal
Signal output	Uout > typ. 21.5 Vdc max. 20 mA@24 Vdc
	short circuit proof
Approvals	
Approvals	cURus, cULus, GL, EAC
Environment	tonus, tolus, ol, LAG
	-25 °C to +85 °C
Storage temperature	-25 °C to +85 °C -25 °C to +70 °C
Ambient temperature Deratina	-25 C W +70 C -3 %/K > +50 °C
	horizontal for standard rail DIN TS35
Mounting position Type of cooling	Natural convection
Required minimum spacing (left/right)	0 mm
Required minimum spacing (over/under)	50 mm
	33
Safety and protection	ID 00
Protection index	IP 20
Safety class	II, without PE connection
Order numbers	





PM-0124-010-0