#### PM-0124-040-0



## Advantages

Stabilized and adjustable output voltage

Low stand-by consumption <1 W

Constant current limiting without overload shutdown

DC OK indicator

Push-in terminals

Robust DIN rail mounting

In compliance with EN 60335-1

3 years warranty

### **Applications**

Efficient, primary switched mode power supply in slim plastic housing. 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 housing. 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, Germanischer Lloyd





Order Number

# Single-phase, primary switched mode power supply **PM-0124-040-0**

Type

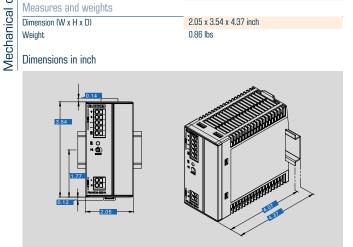
Terminal and mounting

Terminals input (direct plug-in technology Push-in)

Terminals output (direct plug-in technology Push-in)

Terminals signalling (direct plug-in technology Push-

	Type	PM-0124-040-0
λĽ	Special features	
Electrical data	Characteristics	-
	Input	
	Input rated voltage	100 - 240 Vac
	Input voltage range	85 - 264 Vac (120 - 372 Vdc)
	Input voltage derating	-2,5 %/Vac < 95 Vac
	Rated frequency range	44 Hz - 66 Hz / 0 Hz
	Input rated current (rated load)	1.52 A (100 Vac) / 0.66 A (240 Vac)
	Starting current limiter	< 30 A, NTC
	Switch-on time	0.24 s (100 Vac) / 0.14 s (230 Vac)
	Power factor	0.5
	Input fuse internal	4 A
	Recommended back-up fuse (circuit breaker)	6 A, 10 A, 16 A, characteristic B, C
	Mains buffering (rated load)	15 ms (100 Vac) / 80 ms (230 Vac)
	Transient surge voltage protection	varistor
	Output	
	Output rated voltage	24 Vdc
	Output voltage range	23 - 28.5 Vdc
	Output rated current	4 A
	Output limited current	4.4 4.7 A (constant current)
	Class 2 output (UL Limited Power Source, LPS)	No
	Parallel connection	Yes
	Serial operation	Yes
	Power dissipation, no load/rated load	< 1 W / 12 W (230 Vac)
	Max. power losses	15 W (100 Vac / 24 V / 4 A)
	Ripple factor Resistance to reverse feed max.	typ. 20mVss 35 Vdc
	Over-voltage-protection	max. 40 Vdc
	Efficiency	89 %
	Signaling	30 /0
	olgitaling	LED green
	Status indicator	Uout > typ. 21.5 Vdc
	Outlied Indicator	LED lit permanently
		Active high signal
	Signal output	Uout > typ. 21.5 Vdc
	orginal output	max. 20 mA@24 Vdc
		short circuit proof
	Approvals	
	Approvals	cURus, cULus, GL
	Environment	
	Storage temperature	-13 °F to +185 °F
	Ambient temperature	-13 °F to +158 °F
	Derating	-3 %/K > +122 °F
	Mounting position	horizontal for standard rail DIN TS35
	Type of cooling	Natural convection
	Required minimum spacing (left/right)	0.00 inch
	Required minimum spacing (over/under)	1.97 inch
	Safety and protection	
	Protection index	IP 20
	Safety class	II, without PE connection
	Order numbers	



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max 2,5 mm<sup>2</sup>

max 2,5 mm<sup>2</sup>





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