PM-0112-040-0



Advantages

Stabilised and adjustable output voltage

Low stand-by consumption <1 W

Constant current characteristic

DC OK signalling

Parallel operation optien

Push-in terminals

Panel installation on mounting rails

Conform to EN 60335-1

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, 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.

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



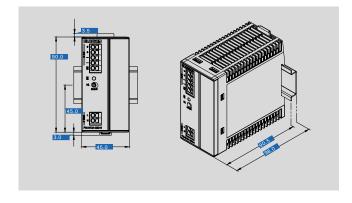


Order Number

Single phase, primary switched mode power supply **PM-0112-040-0**

Tuno	PM-0112-040-0
Type	PIVI-U112-U4U-U
Input	
Input rated voltage	100 - 240 Vac
Input voltage range	85 - 264 Vac (120 - 373 Vdc)
Input voltage derating	-2.5 %/Vac < 95 Vac
Rated frequency range	44 Hz - 66 Hz / 0 Hz
Input rated current (rated load)	0.83 A (100 Vac) / 0.41 A (240 Vac)
Starting current limiter	< 30 A, NTC
Switch-on time	1.5 s (100 Vac) / 0.7 s (230 Vac)
Power factor	0.48
Input fuse internal	4 A
Recommended back-up fuse (circuit breaker)	6 A, 10 A, 16 A, characteristic B, C
Mains buffering	15 ms (100 Vac) / 120 ms (230 Vac)
Transient surge voltage protection	Varistor
Output	
Output rated voltage	12 Vdc
Output voltage range	11.5 - 14.5 Vdc
Output rated current	4 A
Output limited current	4.4 4.8 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 / 8 W (230 Vac)
Max. power losses	9.1 W (100 Vac / 12 V / 4 A)
Ripple factor	typ. 20 mVss
Resistance to reverse feed max.	25 Vdc
Over-voltage-protection	max. 35 Vdc
Efficiency	86 %
Signaling	
Typ. switching threshold for LED and signal output (DC OK)	-
	LED green
Status indicator	Uout > typ. 10 Vdc
	LED lit permanently
	Active high signal Uout > typ. 10 Vdc
Signal output	max. 40 mA@12 Vdc
	short circuit proof
Approvals	
Approvals	cURus, cULus, GL
Environment	
Storage temperature	-25° C +85° C
Ambient temperature	-25° C +70° C
Derating	-3 %/K > +50° C
Mounting position	horizontal for standard rail DIN TH 35
Cooling method	Natural convection
Required minimum spacing (left/right)	0 mm
Required minimum spacing (over/under)	50 mm
Safety and protection	
Protection index	IP 20
Safety class	II, without PE connection
• ***	

	Туре	PM-0112-040-0	
<u></u>	Input		
``_	Connections input (direct plug-in technology Push-In)	max 2,5 mm ²	
data	Output		
	Connections output (direct plug-in technology Push-In)	max 2,5 mm ²	
ij	Signaling		
Mechanical	Connections signalling (direct plug-in technology Push-In)	max 2,5 mm ²	
Иe	Measures and weights		
_	Weight	0.21 kg	
	Dimension (W x H x D)	45 x 90 x 90.5 mm	







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