

PSD124

Power Supply

AUDAC

► Features

- 12 V DC / 4 A
- Universal AC input (100-240 V AC / 50-60 Hz)
- DIN rail mounting
- DIN screw terminal connections
- High efficiency and reliability
- Power on indication
- Protections: Overload, Over Voltage, Over Temperature and Short Circuit
- CE approval

► Applications

- Any application which needs 12 V DC



The AUDAC's PSD124 is a versatile DIN mounting switching power supply with an industrial grade design. Hereby, it can be used in small simple applications as well as industrial environments and hazardous locations.

It accepts a wide range of input voltage (90 - 264 V AC) and provides up to 4 A output current at 12 V DC.

The output voltage is adjustable over a minimum range of 10%, and a power indicator LED is provided on front of the PSD124.

When an overload or short circuit occurs at the output terminals, the internal protection circuit will be enabled to avoid damage. The input is fitted with a fuse, which protects against internal faults.

The in- and output connections are made with DIN screw terminal connectors.

The PSD124 can be used for all kinds of applications which need an external power of 12 V DC at a maximum current rating of 4A.

Other AUDAC DIN rail power supply's:

- PSD243: 24 V DC / 2 A
- PSD246: 24 V DC / 6.3 A

► Specifications

SYSTEM SPECIFICATIONS	
Power output	12 V DC +/- 2%
Power supply	Normal: 100 - 240 V AC 50/60 Hz Operating: 90 - 264 V AC 47/63 Hz
DC output current	4 A
Max. power	48 W
DC adjustment range	10,5 to 13,5 V DC
Ripple and Noise	100 mV
Efficiency	83%
Inrush current full load cold start	35 Amp @ 230 VAC
Overload protection	105% - 150% rated output power
Over voltage protection	115% - 135% rated output voltage
Set-up, Rise, Hold up time	1000 ms, 60 ms, 50 ms @ full load and 230 V AC
Working Temperature	-10 to 70 °C
Storage Temperature	-40 to 85 °C
Safety standard	EN60950 EN61000-3-2 EN61000-4-2, 3, 4, 5, 6
Mean Time Between Failures	1.000.000 H @ 25 °C
PRODUCT FEATURES	
Dimensions (Width x Height x Depth)	32 x 125 x 100 mm
Weight net	310 g
Construction	DIN rail
Connections	Input: 3 pole screw DIN terminal Output: 4 pole screw DIN terminal
SHIPPING & ORDERING	
Packaging	Carton box
Shipping weight & volume	310 g - 0.000?? Cbm

*AUDAC reserves the right to change specifications without notice: this is part of our policy to continually improve our product