

PS series power supply

Enclosed, 12 V DC switch mode power supply



CODE: **PS-12V2A** v1.0/1
 TYPE: **PS 12V/2A enclosed switch mode power supply**

EN



Features:

- power output 2 A/12 – 15 V DC
- high efficiency 84%
- LED indication
- warranty – 2 years from production date
- protections:
 - SCP short-circuit protection
 - OVP overvoltage protection
 - overvoltage protection
 - overload protection (OLP)



DESCRIPTION

The power supply unit is intended for supplying power to alarm system devices requiring 12 V DC supply voltage and current load of **I=2 A**. The design enables simple change of the output voltage, within the range of 12 V - 15 V DC, by means of a potentiometer. The power supply unit is protected against short-circuit, overload and overvoltage.

TECHNICAL DATA

Power supply	~ 200 – 240 V; 0,4 A; 50/60 Hz
Inrush current	40 A
PSU power	24 W max.
Efficiency	84 %
Output voltage	12 V DC
Output current $t_{AMB}<30^{\circ}C$	2 A
Voltage adjustment range	12 V – 15 V DC
Ripple voltage	100 mV p-p max.
Short circuit protection SCP	electronic, automatic recovery
Overload protection OLP	105 – 150% PSU power, automatically recovered
Surge protection	varistors
Over voltage protection OVP	>16 V (automatic return)
LED operation indication	LED green – indicates DC voltage at the power
Operating conditions	Temperature: -10°C ÷ +40°C relative humidity 20%...90%, without condensation
Dimensions	L=85, W=60, H=37 [+/- 2mm]
Net / gross weight	0,15 / 0,17 [kg]
Protection class EN 62368-1	I (first) - requires a protective conductor
Connectors	power supply: $\Phi 0,63-2,50$ (AWG 22-10) outputs: $\Phi 0,63-2,50$ (AWG 22-10)
Declarations, warranty	CE, RoHS, 2 years from production date

