

PS series power supply

Enclosed, 12 V DC switch mode power supply



CODE: **PS-12V5A** v1.0/1
 TYPE: **PS 12V/5A enclosed switch mode power supply**

EN



Features:

- power output 5 A/12 – 15 V DC
- high efficiency 87%
- LED indication
- warranty – 2 year from the 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=5 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; 0,7 A; 50/60 Hz
Inrush current	40 A
PSU power	60 W max.
Efficiency	87%
Output voltage	12 V DC
Output current $t_{AMB} < 30^{\circ}C$	5 A
Voltage adjustment range	12 V – 15 V DC
Ripple voltage	100mV 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	>19 V (activation requires disconnecting the load or supply for about approx. 1 min.)
LED operation indication	LED green – indicates DC voltage at the power
Operating conditions	2-nd enviromental class, temperature: $-10^{\circ}C \div +40^{\circ}C$ relative humidity 20%...90%, without condensation
Dimensions	L=129, W=98, H=40 [+/- 2mm]
Net / gross weight	0,28 / 0,32 [kg]
Protection class PN-EN 60950-1:2007	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 year from the production date

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Dimensions and fitting of the PS-12V5A power supply

