

PS series power supply

Enclosed, 12VDC switch mode power supply



CODE: **PS-601250**
TYPE: **PS 12V/5A enclosed switch mode power supply**

EN/IX

Features of the power supply unit:

- power output 5A/12÷15VDC*
- wide AC input voltage range 85÷264V
- high efficiency 80%
- LED optical signalisation
- protections:
 - SCP short-circuit protection
 - overvoltage OVP
 - overvoltage protection
 - overload (OLP)
- warranty – 2 year from the production date



DESCRIPTION

The power supply unit is intended for the feeding of alarm system equipments, which require 12V DC supply voltage and current load **I=5A**. The design enables simple changing of the output voltage, within the range of 12V÷15V DC, using a potentiometer. The power supply unit is protected against short-circuit, overload and overvoltage.

TECHNICAL DATA

Supply voltage	85 ÷ 264 V AC, 120 ÷ 370 V DC
Current consumption	0,6A@230VAC max.
Supply power	60W max.
Efficiency	80%
Output voltage	12V DC
Output current $t_{AMB}<30^{\circ}C$	5A - see graph 1.
Output current $t_{AMB}=40^{\circ}C$	3,5 A - see graph 1.
Voltage adjustment range	12 V ÷ 15V DC
Ripple voltage	100mV p-p max.
Short-circuit protection SCP	electronic, automatic recovery
Overload protection OLP	105-150% of power supply, automatic recovery
Surge protection	varistors
Overvoltage protection OVP	>16V (automatic return)
Optical signalisation	green LED – presence of DC voltage
Operation conditions	2-nd environmental class, temperature: -10 °C+40 °C relative humidity 20%...90%, without condensation
Dimensions (LxWxH)	159 x 97 x 38 [mm]
Net/gross weight	0,48kg / 0,51kg
Protection class PN-EN 60950-1:2007	I (first) – requires a protective conductor (PE)
Connectors	power-supply: Φ 0,63-2,50 (AWG 22-10) outputs : Φ 0,63-2,50 (AWG 22-10)
Declarations, warranty	CE, RoHS, 2 year from the production date

* In order to extend the life of the power supply, the load current of 3,5A is recommended.

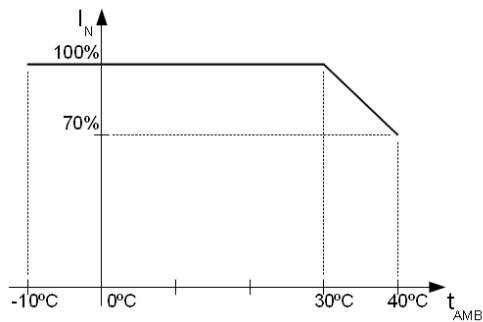
* See graph 1.

PS series power supply

Enclosed, 12VDC switch mode power supply



Output current vs temperature



Graph 1.
Allowable output current from the power supply depending on ambient temperature (instantaneous load).

Dimensions and fitting of the PS-601250 power supply

