

PS series power supply

Enclosed, 12V DC switch mode power supply



CODE: **PS-1001270** v1.0/X
TYPE: **PS 12V/7A enclosed switch mode power supply**

EN*

Features of the power supply unit:

- power output 7A/12÷15V DC*
- wide AC input voltage range 176÷264V
- high efficiency 83%
- 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 supplying power to alarm system devices requiring 12V DC supply voltage and current load of **I=7A**. The design enables simple change of the output voltage, within the range of 12V÷15V DC, by means of a potentiometer. The power supply unit is protected against short-circuit, overload and overvoltage.

SPECIFICATIONS

Mains supply	176 ÷ 264V AC
Current consumption	up to 0,8A@230V AC
Supply power	100W max.
Efficiency	83%
Output voltage	12V DC
Output current $t_{AMB}<30^{\circ}C$	7A - see chart 1.
Output current $t_{AMB}=40^{\circ}C$	5A - see chart 1.
Voltage adjustment range	12V ÷ 15V DC
Ripple	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)
LED indication	green LED – indicates DC voltage
Operating conditions	2-nd environmental class, temperature: -10°C ÷ +40°C relative humidity 20%...90%, without condensation
Dimensions	L=199, W=98, H=38 [+/- 2mm]
Net/gross weight	0,57kg / 0,62kg
Protection class PN-EN 60950-1:2007	I (first) – requires a protective conductor (PE)
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

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

* See graph 1.

Temperature characteristics

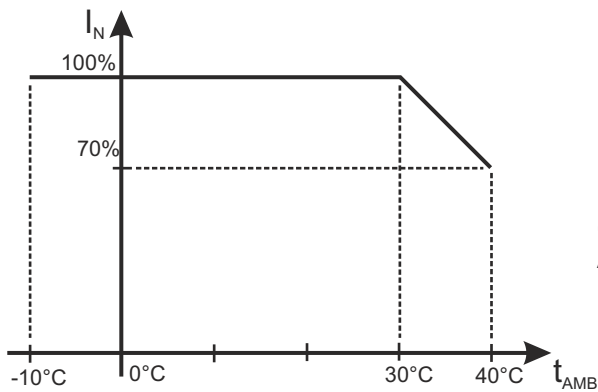


Chart 1.
Acceptable output current from the PSU depending on ambient temperature (instantaneous load).

Dimensions and fitting of the PS-1001270 power supply

