PSA series power supply

Switch mode power supply 12VDC, adapter

CODE: **PSA12015** v1.0/VIII **EN**

TYPE: **PSA 12V/1,5A switch mode power supply adapter for CCTV**

Features of the power supply unit:

- power output 1,5A/12VDC*
- universal AC input voltage range 90÷264V
- high efficiency 81%
- LED optical signalisation
- standby power <0,3W
- efficiency level: V
- protections:
  - SCP short-circuit protection
  - overvoltage protection (AC input)
  - overload (OLP)
- warranty – 2 year from the production date

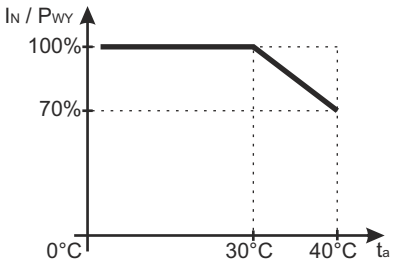
DESCRIPTION

Stabilized DC power supply is intended for supply CCTV cameras that require stabilised voltage of **12V DC**. The unit has a cable with a DC5.5/2.1 plug. When connected to fuse blocks of the LB4/xx/xx or LB8/xx/xx family, the power supply unit can feed more cameras (max. 4 or 8). The unit is protected against short-circuit and overload.

TECHNICAL DATA

Supply voltage	90 ÷ 264 V AC 50÷60Hz
Current consumption	0,16A@230VAC max.
Supply power	18W max.
Efficiency	81%
Output voltage	12V DC
Output current t_{AMB}<30°C	**1,5 A – refer to graph.1**
Output current t_{AMB}=40°C	**1,0 A - refer to graph.1**
Ripple voltage	100mV p-p max.
Short-circuit protection SCP	electronic, automatic recovery
Overload protection OLP	105-150% of power supply, automatic recovery
Optical signalisation	LED – presence of DC voltage
Operation conditions	temperature 0 °C÷40 °C relative humidity 20%...90%, without condensation
Dimensions (LxWxH)	71 x 46 x 68 [mm]
Net/gross weight	0,10kg / 0,12kg
Protection class PN-EN 60950-1:2007	II (second)
Lenght of DC cable	1,45m + plug DC5,5/2,1 female
Storage temperature	-20ºC...+60ºC

* In order to extend the life of the power supply, the load current of 1,0A is recommended.



Graph 1.
Relation between output current and ambient temperature (instantaneous load).

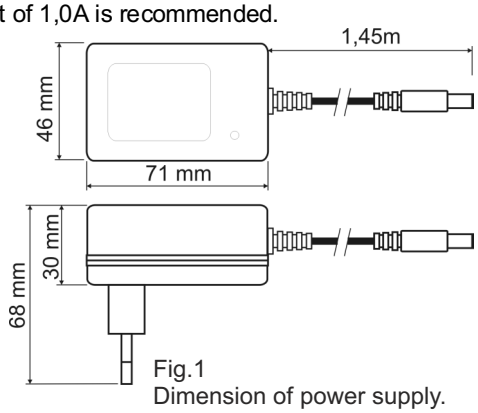


Fig.1
Dimension of power supply.

ACCESORIES

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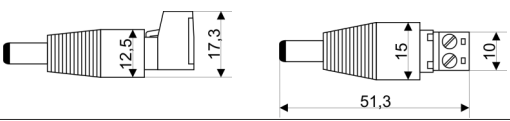
[1] adapter CABLE - PLUG DC 5,5/2,1 - code ML109



For power supplies are available accessories - fuse blocks and cable adapter. For details –visit www.pulsar.pl.

* Refer to graph 1

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