PSD series power supply
Desktop type power supply 12 V DC

Pulsar®
www.pulsar.pl

CODE: **PSD12030** v2.0/X **EN**

NAME: **PSD 12V/3A Desktop type power supply for CCTV**

Features of power supply:

- power output 3 A / 12 V DC*
- universal AC input voltage range ~100 – 240 V
- high efficiency 89%
- LED optical signalisation
- standby power <0,1 W
- efficiency level: VI
- protections:
  - SCP short-circuit protection
  - overvoltage protection (AC input)
  - overload (OLP)
- warranty – 2 years from production date

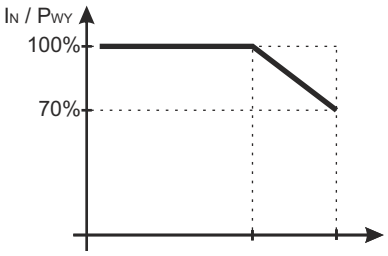
DESCRIPTION

Stabilized DC power supply is intended for supply CCTV cameras that require stabilised voltage of **12 V 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.

SPECIFICATIONS

Supply voltage	~100 - 240 V; 50/60 Hz
Current consumption	0,8 A
Supply power	36 W max.
Efficiency (average)	89%
Efficiency (10% load)	87%
Output voltage	12 V DC
Output current t_{AMB}<30°C	**3 A - refer to graph 1.**
Output current t_{AMB}=40°C	**2 A - refer to graph 1.**
Ripple voltage	100 mV 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
Operating conditions	Temperature: 0°C – +40°C, relative humidity 20%...90%, without condensation
Dimensions (LxWxH)	107 x 48 (82) x33 [mm]
Net/gross weight	0,25 / 0,28 [kg]
Protection class EN 62368-1	II (second)
Length of DC cable	1,45m + plug DC5,5/2,1 female
Length of AC cable	1,15m + mains plug
Storage temperatu	-20ºC...+60ºC

* In order to extend the life of the power supply, the load current of 2 A is recommended.



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

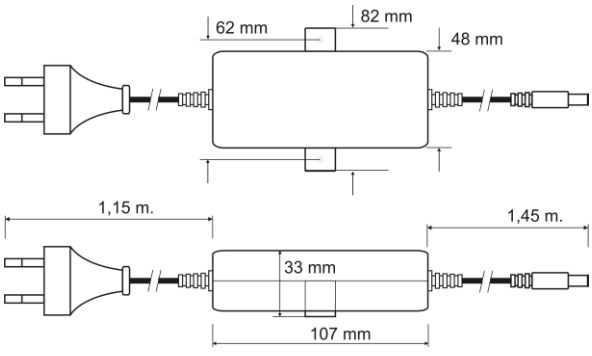


Fig.1 Dimension of power supply.

ACCESORIES

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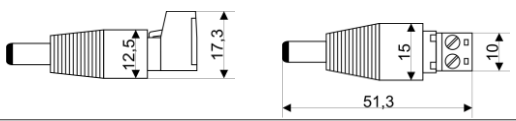
[1] adapter CABLE - PLUG DC 5,5/2,1 - code ML109



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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