# PSD series power supply

## Switch mode power supply 12VDC, desktop

**Pulsar** ®

CODE: **PSD12020** v1.0/VIII **EN**

TYPE: **PSD 12V/2A switch mode power supply desktop for CCTV**

### Features of the power supply unit:

- power output 2A/12VDC*
- universal AC input voltage range 90÷264V
- high efficiency 83%
- 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

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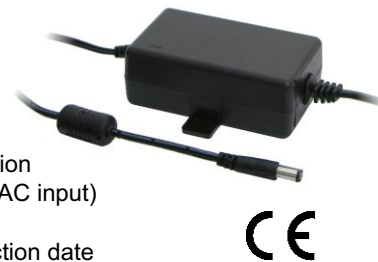
### DESCRIPTION

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 ÷ 264V AC 50÷60Hz |
| Current consumption | 0,23A@230V AC max. |
| Supply power | 24W max. |
| Efficiency | 83% |
| Output voltage | 12V DC |
| **Output current $t_{AMB}$<30°C** | **2A - refer to graph 1.** |
| **Output current $t_{AMB}$=40°C** | **1,4A - 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 -10 $^{o}$C÷40 $^{o}$C relative humidity 20%...90%, without condensation |
| Dimensions (LxWxH) | 86 x 72 (50) x32 [mm] |
| Net/gross weight | 0,21kg / 0,24kg |
| Protection class PN-EN 60950-1:2007 | II (second) |
| Lenght of DC cable | 1,45m + plug DC5,5/2,1 female |
| Lenght of AC cable | 1,15m + mains plug |
| Storage temperature | -20ºC...+60ºC |

\* In order to extend the life of the power supply, the load current of 1,4A is recommended.
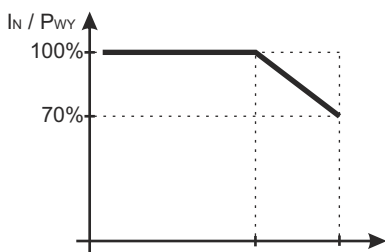
Graph 1.
Relation between output current and ambient temperature (instantaneous load).
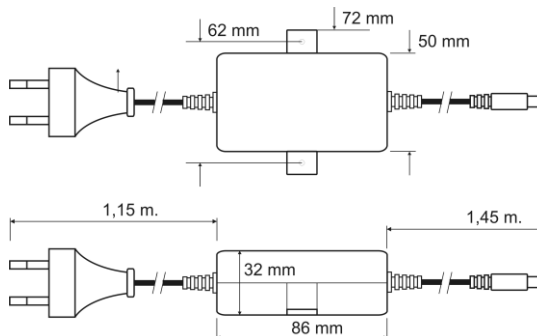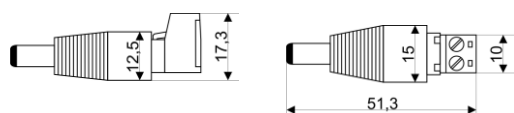
Fig.1 Dimension of power supply.

### ACCESORIES

ACCESORIES :
[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