

CODE: **PSD12020** v2.0/X  
 NAME: **PSD 12V/2A Desktop type power supply for CCTV**

EN

### Features of power supply:

- power output 2 A/12 V DC\*
- universal AC input voltage range ~100 – 240 V
- high efficiency 88%
- 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



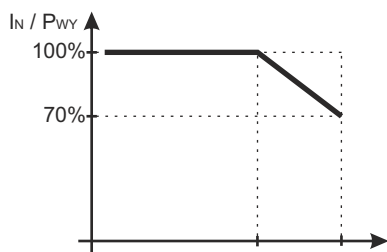
### DESCRIPTION

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                    | 0,6 A   |
| Supply power                           | 24 W max.   |
| Efficiency (average)                   | 88%   |
| Efficiency (10% load)                  | 84%   |
| Output voltage                         | 12 V DC   |
| Output current $t_{AMB} < 30^{\circ}C$ | <b>2 A - refer to graph 1.</b>  |
| Output current $t_{AMB} = 40^{\circ}C$ | <b>1,4 A - refer to graph 1.</b>  |
| 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)                     | 86 x 72 (50) x32 [mm]   |
| Net/gross weight                       | 0,21 / 0,24 [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 temperature                    | -20°C...+60°C   |

\* In order to extend the life of the power supply, the load current of 1,4 A is recommended.



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

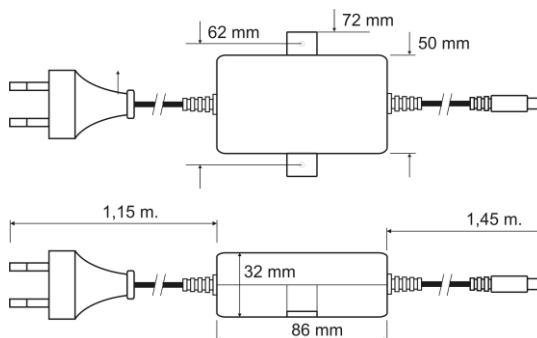
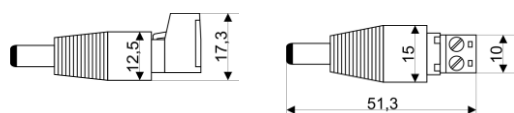


Fig.1 Dimension of power supply.

### ACCESSORIES

ACCESSORIES :  
 [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](http://www.pulsar.pl).

\* Refer to graph 1

