

# PSD series power supply

## Desktop type power supply 12V DC



CODE: **PSD12010** v1.0/IX  
 TYPE: **PSD 12V/1A Desktop type power supply for CCTV**

EN

### Features of the power supply:

- power output 1 A/12 V DC\*
- universal AC input voltage range 90÷264 V
- high efficiency 80%
- LED optical signalisation
- standby power <0,3 W
- efficiency level: V
- protections:
  - SCP short-circuit protection
  - overvoltage protection (AC input)
  - overload (OLP)
- warranty – 2 year from the production date



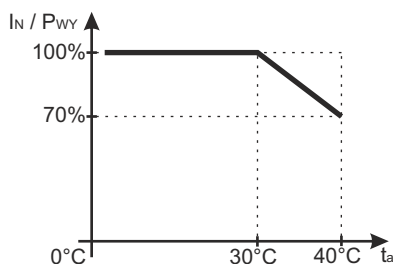
### DESCRIPTION

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

### TECHNICAL DATA

Supply voltage	90 ÷ 264 V AC 50÷60Hz
Current consumption	0,125 A@230 V max.
Supply power	12 W max.
Efficiency	80%
Output voltage	12 V DC
Output current $t_{AMB}<30^{\circ}C$	<b>1 A - refer to graph 1.</b>
Output current $t_{AMB}=40^{\circ}C$	<b>0,7 A - refer to graph 1.</b>
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 $-10^{\circ}C$ - $40^{\circ}C$ relative humidity 20%...90%, without condensation
Dimensions (LxWxH)	65 x 36 (56) x 30 [mm]
Net/gross weight	0,13kg / 0,15kg
Protection class PN-EN 60950-1:2007	II (second)
Length of DC cable	1,45m + plug DC5,5/2,1 female
Length of AC cable	1,15m + mains plug
Storage temperature	$-20^{\circ}C$ ... $+60^{\circ}C$

\* In order to extend the life of the power supply, the load current of 0,7 A is recommended.



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

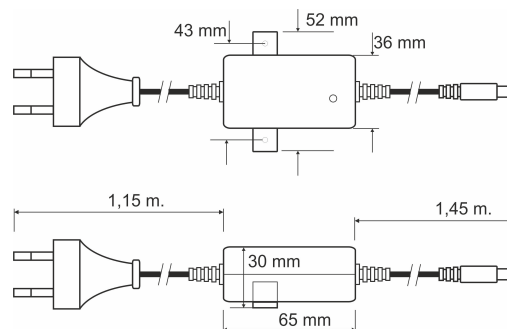
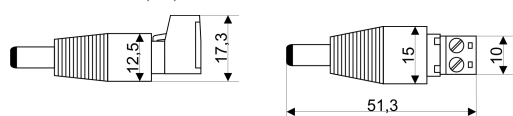


Fig.1 Dimension of power supply.

### 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](http://www.pulsar.pl).

\* Refer to graph 1