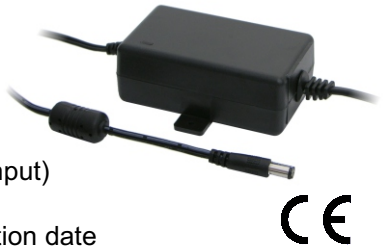
# PSD series power supply
## Desktop type power supply 48V DC

CODE: **PSD480050** v1.0/VI **EN**

TYPE: **PSD 48V/0,5A Desktop type power supply for CCTV**

### Features of the power supply:



- power output 0,5A/48VDC*
- universal AC input voltage range 90÷264V
- high efficiency 87%
- 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

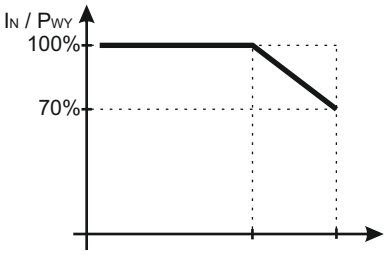
### DESCRIPTION

Stabilized DC power supply is intended for supply CCTV cameras that require stabilised voltage of **48V DC.** The unit has a cable with a DC5.5/2.1 plug. The power supply unit is protected against short-circuit, overload and overvoltage.

### SPECIFICATIONS.

| | |
|---|---|
| Supply voltage | 90 ÷ 264V AC 50÷60Hz |
| Current consumption | 0,27A@230V AC max. |
| Supply power | 24W max. |
| Efficiency | 87% |
| Output voltage | 48V DC |
| **Output current $t_{AMB}$<30°C** | **0,5 A - refer to graph 1.** |
| **Output current $t_{AMB}$=40°C** | **0,35 A - refer to graph 1.** |
| Ripple voltage | 100mV p-p max. |
| Short-circuit protection SCP | electronic, automatic recovery |
| Overload protection OLP | 150-200% of power supply, automatic recovery |
| Optical signalisation | LED – presence of DC voltage |
| Operation conditions | temperature -10 °C÷40 °C<br>relative humidity 20%...90%, without condensation |
| Dimensions (LxWxH) | 86 x 50 (72) x32 [mm] |
| Net/gross weight | 0,19kg / 0,23kg |
| 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 0,35A is recommended.




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

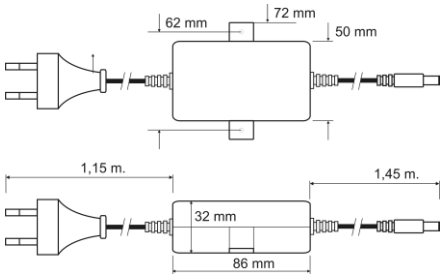
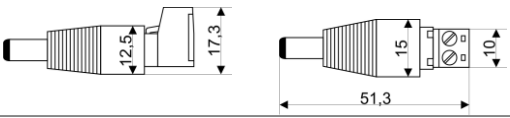



Fig.1
Dimension of power supply.

### ACCESORIES

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




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

* Refer to graph 1