

PSD series power supply

Switch mode power supply 15VDC, desktop



CODE: **PSD15040** v1.0/V
TYPE: **PSD 15V/4A** switch mode power supply desktop

EN

Features of the power supply unit:

- power output 4A/15VDC*
- 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



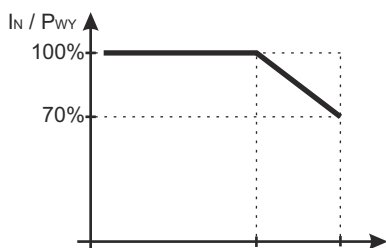
DESCRIPTION

Stabilized DC power supply is intended for supply cameras that require stabilised voltage of **15V 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 equipments (max. 4 or 8). The power supply unit is protected against short-circuit, overload and overvoltage.

SPECIFICATIONS

| | |
|--------------------------------------|---|
| Supply voltage | 90 ÷ 264V AC 50÷60Hz |
| Current consumption | 0,55A@230V AC max. |
| Supply power | 60W max. |
| Efficiency | 87% |
| Output voltage | 15V DC |
| Output current $t_{AMB}<30^{\circ}C$ | 4A - refer to graph 1. |
| Output current $t_{AMB}=40^{\circ}C$ | 2,8A - 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 $-10^{\circ}C+40^{\circ}C$ relative humidity 20%...90%, without condensation |
| Dimensions (LxWxH) | 116 x 54 (80) x35 [mm] |
| Net/gross weight | 0,29kg / 0,34kg |
| 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 2,8A is recommended.



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

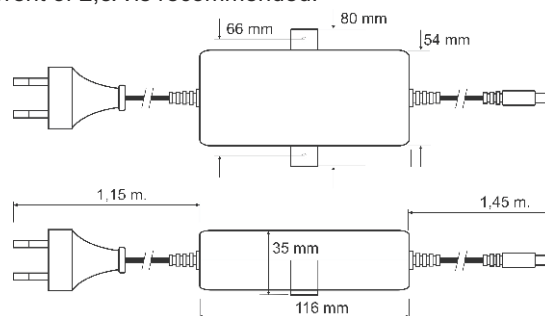
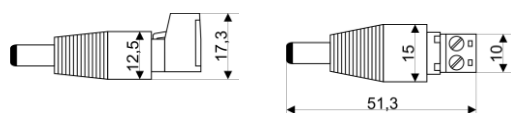


Fig.1 Dimension of power supply.

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