PSD series power supply

Switch mode power supply 12VDC, desktop

Pulsar ®

CODE: **PSD12030**   **EN**

TYPE: **PSD 12V/3A switch mode power supply desktop for CCTV**

Features of the power supply unit:

- power output 3A/12VDC
- universal AC input voltage range 90÷264V
- high efficiency 85%
- LED optical signalisation
- standby power <0,3W

- efficiency level: V
- protections:
  - SCP short-circuit protection
  - overvoltage protection (AC input)
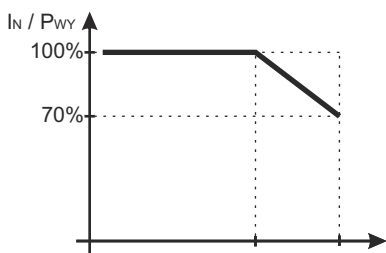 - overload (OLP)

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	0,31A@230VAC max.
Supply power	36W max.
Efficiency	85%
Output voltage	12V DC
Output current	**3,0 A**
Output current t_{AMB}<30°C	3,0 A - refer to graph.1
Output current t_{AMB}=40°C	2,1 A - 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 0 ^{o}C÷40 ^{o}C relative humidity 20%...90%, without condensation
Dimensions (LxWxH)	107 x 48 (82) x33 [mm]
Net/gross weight	0,25kg / 0,28kg
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

Graph 1.
Relation between output current and ambient temperature.
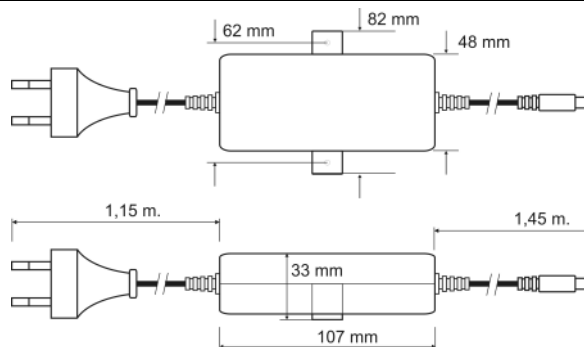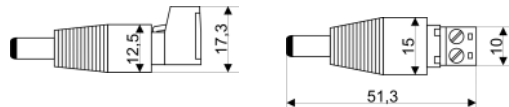

Fig.1
Dimension of power supply.

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.