

PSD series power supply

Switch mode power supply 48VDC, desktop



CODE: **PSD480125** v1.0/V

EN

TYPE: **PSD 48V/1,25A** switch mode power supply desktop for CCTV

Features of the power supply unit:

- power output 1,25A/48VDC*
- universal AC input voltage range 90÷264V
- high efficiency 89%
- 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



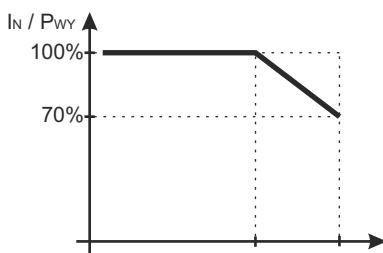
DESCRIPTION

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 ÷ 264 V AC 50÷60Hz
Current consumption	0,6A@230VAC max.
Supply power	60W max.
Efficiency	89%
Output voltage	48V DC
Output current $t_{AMB}<30^{\circ}C$	1,25A - refer to graph 1.
Output current $t_{AMB}=40^{\circ}C$	0,9A - 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) x 35 [mm]
Net/gross weight	0,27kg / 0,32kg
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 0,9A is recommended.



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

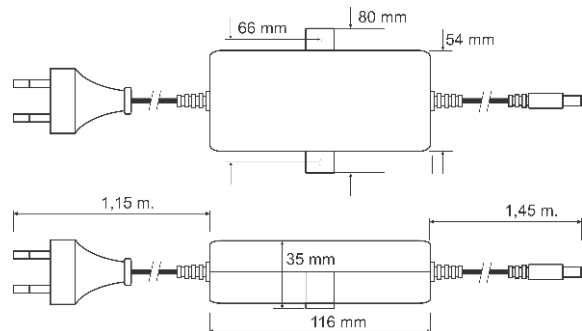
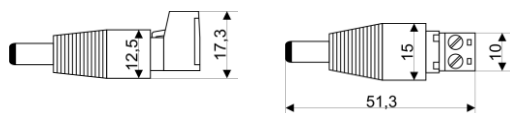


Fig. 1 Dimension of power supply.

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