

PSD series power supply

Switch mode power supply 48VDC, desktop



CODE: **PSD480250** v1.0/I

EN

TYPE: **PSD 48V/2,5A** switch mode power supply desktop for CCTV

Features of the power supply unit:

- power output 2,5A/48VDC*
- universal AC input voltage range 90÷264V
- built-in active power factor correction circuit (PFC)
- high efficiency 90%
- LED optical signalisation
- standby power <0,5W
- efficiency level: V
- protections:
 - SCP short-circuit protection
 - overvoltage protection (AC input)
 - overload (OLP)
- warranty – 2 year from the production date



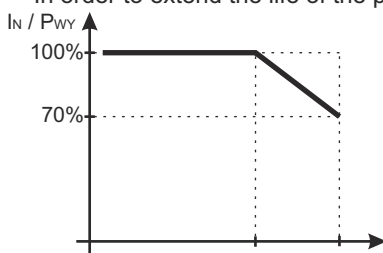
DESCRIPTION

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	120W max.
Efficiency	90%
Power factor PF	>0,95 @230V AC
Output voltage	48V DC
Output current $t_{AMB}<30^{\circ}C$	2,5A - refer to graph 1.
Output current $t_{AMB}=40^{\circ}C$	1,75A - refer to graph 1.
Ripple voltage	250mV 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)	172 x 73 x 34 [mm]
Net/gross weight	0,75kg/0,85kg
Protection class PN-EN 60950-1:2007	I (first)
Length of DC cable	1,5m + plug DC5,5/2,1 female
Length of AC cable	1,5m + mains plug
Storage temperature	$-20^{\circ}C$... $+60^{\circ}C$

* In order to extend the life of the power supply, the load current of 1,75A is recommended.



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

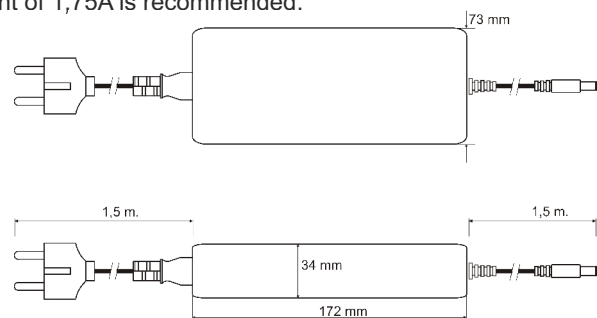
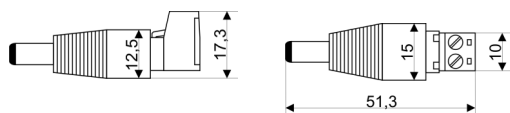


Fig. 1 Dimension of power supply.

ACCESORIES

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



For power supplies are available accessories - cable adapter.

For details –visit www.pulsar.pl.

* Refer to graph 1