

# PSD series power supply

Switch mode power supply 48VDC, desktop



CODE: **PSD480075** v1.0/IV

EN

TYPE: **PSD 48V/0,75A** switch mode power supply desktop for CCTV

## Features of the power supply unit:

- power output 0,75A/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



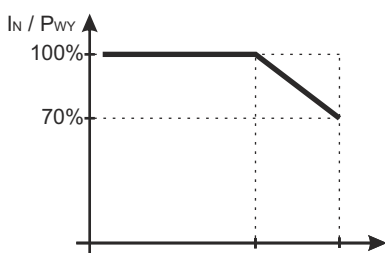
## DESCRIPTION

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.

## TECHNICAL DATA

Supply voltage	90 ÷ 264 V AC 50÷60Hz
Current consumption	0,38A@230VAC max.
Supply power	36W max.
Efficiency	87%
Output voltage	48V DC
Output current $t_{AMB}<30^{\circ}C$	<b>0,75A - refer to graph 1.</b>
Output current $t_{AMB}=40^{\circ}C$	<b>0,5A - refer to graph 1.</b>
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 0 °C÷40 °C relative humidity 20%...90%, without condensation
Dimensions (LxWxH)	107 x 48 (82) x33 [mm]
Net/gross weight	0,24kg / 0,29kg
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°C...+60°C

\* In order to extend the life of the power supply, the load current of 0,5A is recommended.



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

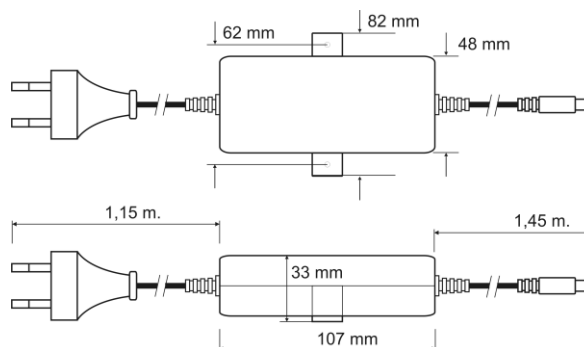
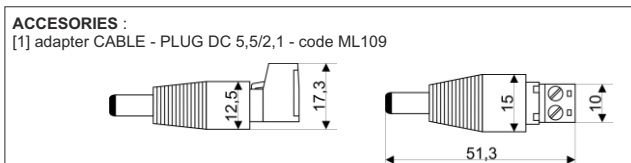


Fig.1 Dimension of power supply.

## ACCESSORIES



For power supplies are available accessories - cable adapter.  
For details –visit [www.pulsar.pl](http://www.pulsar.pl).

\* Refer to graph 1