

CODE: **PSC24010** v1.0/I
NAME: **PSC 24V/1A/55MM power supply**

EN*

Features:

- power output 1 A/24 V DC*
- universal supply voltage range ~220 – 240 V
- high efficiency 89%
- standby power <0,1 W
- efficiency class: VI
- IP67 enclosure
- protections:
 - short-circuit protection SCP
 - surge protection (AC input)
 - overload protection OLP
- warranty: 2 years



DESCRIPTION

The PSU is intended for ~230 V mains supply to CCTV cameras that require stabilised voltage of **24 V DC**. The unit is protected against a short circuit and an overload and a surge.

SPECIFICATIONS

Supply voltage	~220 – 240 V; 50/60 Hz
Current consumption	0,4 A
Supply power	24 W max.
Efficiency (average)	87%
Efficiency (10% load)	82%
Output voltage	24 V DC
Output current $t_{AMB} < 30^{\circ}\text{C}$	1 A instantaneous current - refer to chart 1.
Output current $t_{AMB} = 40^{\circ}\text{C}$	0,7 A - refer to chart 1.
Ripple voltage	150 mV p-p max.
Short-circuit protection SCP	electronic, automatic recovery
Overload protection OLP	150 – 200% of power supply, automatic recovery
IP protection class	IP67
Operating conditions	Temperature: $0^{\circ}\text{C} - +40^{\circ}\text{C}$, relative humidity 20%...90%, without condensation
Dimensions (LxWxH)	50 x 49 x 27 [mm]
Net/gross weight	0,14 / 0,15 [kg]
Protection class EN 62368-1	II (second)
Length of DC cable	0,5 m + plug DC5,5/2,1 female
Length of AC cable	0,3 m
Storage temperature	$-20^{\circ}\text{C} \dots +60^{\circ}\text{C}$

* In order to extend the life of the power supply, the load current of 0,7 A is recommended.

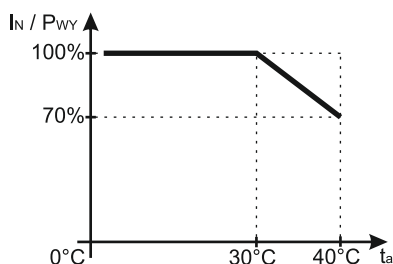


Chart 1.
Relation between output current and ambient temperature (instantaneous load).

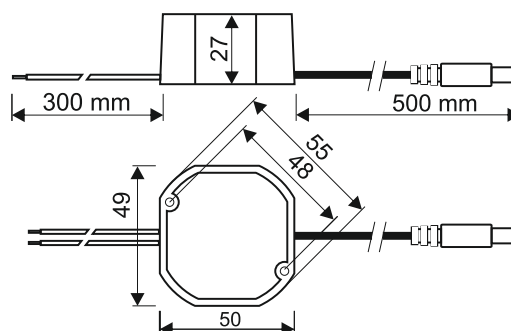
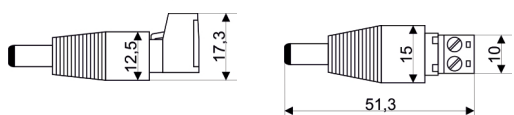


Fig.1 Mechanical view and dimensions of the PSU.

ACCESSORIES

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



Available accessories for the power supplies are:
fuse blocks and cable adapters.
For details – visit www.pulsar.pl

* Refer to graph 1

