

### Features of the power supply:

- power output 1,5 A/12 V DC \*
- universal supply voltage range ~100-240 V
- high efficiency 87%
- standby power <0,1 W
- efficiency level: VI
- IP67 case
- protections:
  - SCP short-circuit protection
  - overvoltage protection (AC input)
  - overload (OLP)
- warranty – 2 year from the production date

## 1. Technical description.

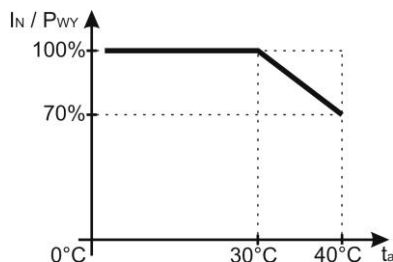
### 1.1. General description.

Stabilized DC power supply is intended for supply CCTV cameras that require stabilised voltage of **12 V DC**. The unit is protected against short-circuit and overload.

### 1.2. Technical parameters.

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|---|--|
| Supply voltage  | ~100-240 V; 50/60 Hz   |
| Current consumption                                       | 0,4 A  |
| Supply power  | 18 W max.  |
| Efficiency (average)                                      | 87%  |
| Efficiency (10% load)                                     | 82%  |
| Output voltage  | 12 V DC  |
| <b>Output current <math>t_{AMB}&lt;30^{\circ}C</math></b> | <b>1,5 A instantaneous current - refer to graph 1.</b>                   |
| <b>Output current <math>t_{AMB}=40^{\circ}C</math></b>    | <b>1 A - refer to graph 1.</b>   |
| Ripple voltage  | 100 mV p-p max.  |
| Short-circuit protection SCP                              | electronic, automatic recovery   |
| Overload protection OLP                                   | 105-150% of power supply, automatic recovery                             |
| IP protection class                                       | IP67   |
| Operation conditions                                      | temperature $0^{\circ}C \div 40^{\circ}C$<br>relative humidity 20%...90% |
| Dimensions (LxWxH)  | 58 x 58 x 28 [mm]  |
| Net/gross weight  | 0,16 / 0,19 [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°C...+60°C  |

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



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

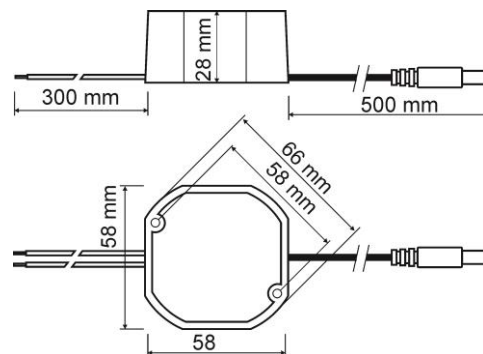


Fig.1. Dimensions of power supply.

\* Refer to graph 1

### 1.3. Accessories.

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

## 2. Installation.

### 2.1. Requirements.

The power supply shall be mounted by a qualified installer, holding relevant permits and licenses (applicable and required for a given country) with ~230 V mains supply. Unit should be mounted in confined spaces with normal relative humidity (RH=90% maximum, without condensing) and temperature from 0°C to +40°C.

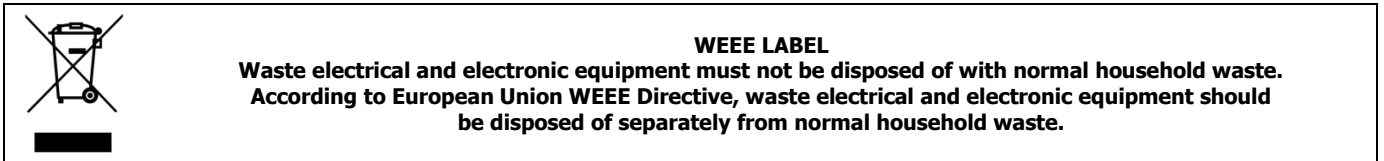
In order to fulfill LVD and EMC requirements the rules for power supplies, encasing and shielding shall be observed according to application.

### 2.2. Installation procedure.

1. Fit the power supply inside the box or other device.
2. Connect the DC output to the load or to the terminal block.
3. Connect the power supply to the AC line.
4. After tests and operation control are performed, close installation box, case etc. and switch on the power.

## 3. Maintenance.

Any and all maintenance operations may be performed following the disconnection of the power supply from the power network. The power supply does not require any specific maintenance procedures, however, in the case of significant level of dust, it should be cleaned with the compressed air.



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