# DC/DC converter

## DC/DC conwerter 12VDC, IP67

**Pulsar** ®

| CODE: | **DCDC15H** | **EN/V** |
|---|---|---|
| TYPE: | **12V/1,5A/62MM DC/DC converter** | |

## Features:

- Power output 1,5A/12VDC*
- DC power supply range 18÷40V DC
- high efficiency 86%
- IP 67 enclosure

- protections:
  - against short circuit protection
  - overload protection OLP
  - against reverse input voltage polarity
- warranty – 2 year from the production date

CE

### DESCRIPTION

The DCDC converter is used for powering devices that require stabilized voltage of **12V DC.** The maximum current load is **1,5A* (Pmax= 18W)**. This module does not have galvanic insulation between the input and output (IN-AUX), and operates on a common ground potential . The unit is protected against short circuit, overload and against reverse input voltage polarity .

### SPECIFICATIONS.

| | |
|---|---|
| Supply voltage | 18 ÷40V DC |
| Supply power | 18W max. |
| Efficiency | 86% |
| Output voltage | 12V DC |
| Current consumption by PSU systems | 5mA max. |
| **Output current $t_{AMB}$<30°C** | **1,5A  - refer to graph 1.** |
| **Output current $t_{AMB}$=40°C** | **1,0A - refer to graph 1.** |
| Ripple voltage | 100mV p-p max. |
| Protection against short circuits (SCP) and overloads(OLP) | 200% ÷ 250% of module power – output power limit, automatic return after elimination of short circuit |
| IP protection class | IP67 |
| Operation conditions | temperature -10 $^{o}$C÷40 $^{o}$C<br>relative humidity  20%...90% |
| Dimensions (LxWxH) | 58 x 58 x 28 [mm] |
| Net/gross weight | 0,16kg / 0,19kg |
| Protection class PN-EN 60950-1:2007 | II (second) |
| Length of DC input cable | 0,3m |
| Length of DC output cable | 0,5m + plug  DC5,5/2,1 female |
| Storage temperature | -20ºC...+60ºC |
| Declarations, warranty | CE, RoHS, 2 year from the production date |

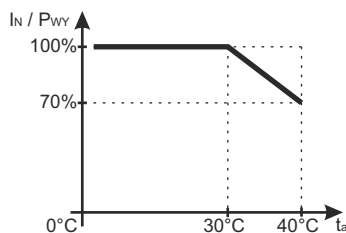* In order to extend the life of the converter, the load current of 1,0A is recommended.

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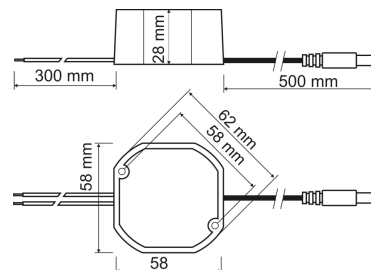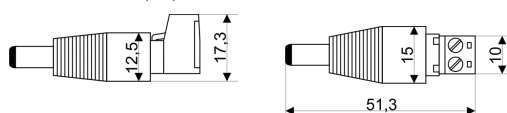and ambient temperature (instantaneous load).

Fig.1.
Mechanical view and dimensions of the convetrer.

### ACCESSORIES

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

For the converterss are available
accessories - cable adapter.
For details –visit  www.pulsar.pl.

* Refer to chart 1