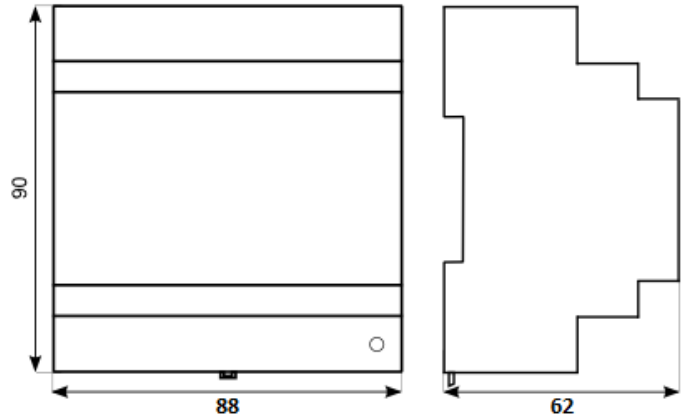


SS-15-240/DIN_1K5



DESCRIPTION

DC/DC converter with high input voltage, designed for direct supply of control and monitoring systems from PV strings or from traction voltage. The converter is characterized by low self-consumption. Safe separation of primary and secondary circuits. Operation is indicated by an LED. Designed for DIN rail mounting.

TECHNICAL PARAMETERS

Input Data

Input voltage, DC	300-1500 V DC
Input current, DC max.	40 mA
Input fuse	Yes (internal)

Output Data

Output voltage	24 V DC (+/-7 %)
Output current	625 mA max.
Output power	15 W
Power derating	-2 %/°C from 50 °C to 70 °C ambient temperature.
Short-circuit protection	Yes (auto resume)
Max. residual ripple	<150 mV

General Data

Efficiency, max.	approx. 86 %
Max. power loss (nominal load)	approx. 5,2 W
Impulse withstand	7,5 V line to line, 7,5 kV line to case
Isolation between primary and secondary	> 50MΩ, 8 kV hi-pot test, double insulation
Cooling	natural (free air)
IP code	IP20

Weight	250 g
Material of enclosure	NORYL
Dimensions	90 x 88 x 62 mm



Class of protection	II.
Pollution degree	2
RoHS comply	Yes

Connection data

Number of terminals

Cable length max.

Wire cross-section

Solid min/max

Flexible min/max

Tightening torque, min/max

Input

4 (+, -)

unrestricted

0,5/6 mm²

20/10 AWG

0,5/4 mm²

20/12 AWG

0,5/0,6 Nm

Output

6 (---, +++)

<3m

0,5/2,5 mm²

20/13 AWG

0,5/2,5 mm²

20/13 AWG

0,5/0,6 Nm

Signal indication

Device working

LED green

Environmental conditions

Operating temperature

-35°C to 70 °C

Relative humidity (non-condensing)

5% to 90 %RH

Installation altitude

<3000 m above sea level

The power supply is designed for continuous operation, overvoltage category in installation 3 according to EN 61010-1 and is resistant to short-circuit at the output.

TECHNICAL STANDARDS

Safety

EN 61204-7 ed.2

EMC

EN 61000-6-1 ed.2

EN 61000-6-3 ed.2

Limited warranty**3 years****PACKING AND STORAGE**

The product is supplied bulk packaged, user's guide for each piece is included.

Storage temperature -25 to 80 °C, relative humidity < 90 % (not condensing). It is prohibited to expose the product to mechanical shocks and injurious gases.