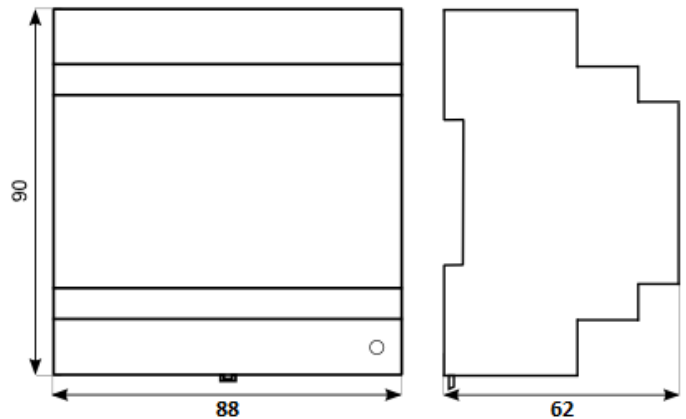


## SS-36-240/DIN\_1K5



### 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      | 400-1500 V DC  |
| Input current, DC max. | 100 mA         |
| Input fuse             | Yes (internal) |

#### Output Data

|                          |                                                 |
|--------------------------|-------------------------------------------------|
| Output voltage           | 24 V DC (+/-7 %)                                |
| Output current           | 1,5 A max.                                      |
| Output power             | 36 W                                            |
| Power derating           | -2 %/°C from 45 °C to 60 °C ambient temperature |
| Short-circuit protection | Yes (auto resume)                               |
| Max. residual ripple     | <150 mV                                         |

#### General Data

|                                         |                                         |
|-----------------------------------------|-----------------------------------------|
| Efficiency, max.                        | approx. 87 %                            |
| Max. power loss (nominal load)          | approx. 8,6 W                           |
| Impulse withstand                       | 5,3 V line to line, 5,3 kV line to case |
| Isolation between primary and secondary | 8 kV hi-pot test, double insulation     |
| Cooling                                 | natural (free air)                      |
| IP code                                 | IP20                                    |

|                       |                 |
|-----------------------|-----------------|
| Weight                | 270 g           |
| Material of enclosure | NORYL           |
| Dimensions            | 90 x 88 x 62 mm |



|                     |     |
|---------------------|-----|
| Class of protection | II. |
| Pollution degree    | 2   |
| RoHS comply         | Yes |

**Connection data**

|                            | <b>Input</b>                       | <b>Output</b>                        |
|----------------------------|------------------------------------|--------------------------------------|
| Number of terminals        | 4 (++,--)                          | 6 (---,+++)                          |
| Cable length max.          | unrestricted                       | <3m                                  |
| Wire cross-section         |                                    |                                      |
| Solid min/max              | 0,5/6 mm <sup>2</sup><br>20/10 AWG | 0,5/2,5 mm <sup>2</sup><br>20/13 AWG |
| Flexible min/max           | 0,5/4 mm <sup>2</sup><br>20/12 AWG | 0,5/2,5 mm <sup>2</sup><br>20/13 AWG |
| Tightening torque, min/max | 0,5/0,6 Nm                         | 0,5/0,6 Nm                           |

**Signal indication**

|                |           |
|----------------|-----------|
| Device working | LED green |
|----------------|-----------|

**Environmental conditions**

|                                    |                         |
|------------------------------------|-------------------------|
| Operating temperature              | -30°C to 60 °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<br>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 -35 to 70 °C, relative humidity < 90 % (not condensing). It is prohibited to expose the product to mechanical shocks and injurious gases.