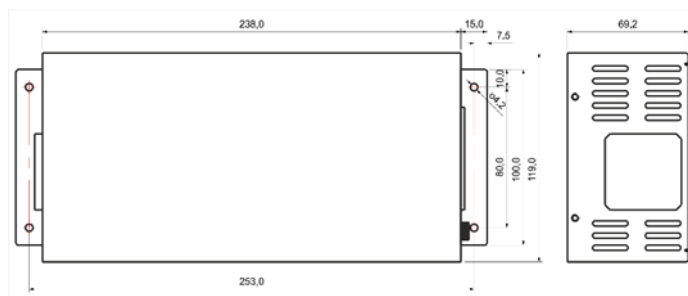


SJ-400-2k3_DT_4kV_48V



DESCRIPTION

DC/AC converter SJ-400-2K3_DT_4kV_48V is designed to supply electronic devices of control and monitoring applications in the industrial area with voltage AC 230 V with a sinusoidal course. The inverter is placed in a metal box with the option of mounting on a mounting plate (on request on a DIN35 rail). The input connection is solved by means of screw terminals, the output connection by a standard 230 V socket. The output circuits are galvanically separated from the input circuits with an electrical strength of 4 kV AC.

TECHNICAL PARAMETERS

Input Data

| | |
|---------------|---|
| Input voltage | 40-72 V DC (48 V start, 40 V stop inverter) |
| Input current | 16 A at 48 V DC(at maximum overload) |
| Input fuse | Yes (internal fuse 20 A) |

Output Data

| | |
|-------------------------------|---|
| Output voltage | 230 V AC (sine wave) |
| Output power | 400 W (500 VA) |
| Output power at overload | 650 W/800 VA max. 10 sec (actively limited) |
| Output voltage frequency | 50 Hz |
| Output voltage distortion THD | <3.5% |
| Short circuit rotection | Yes (with restart) |

General Data

| | |
|---------------------------------------|--|
| Efficiency, max. | approx. 88 % |
| Power losses at a nominal load | approx. 35 W |
| Electrical strength primary-secondary | 4 kV AC primary-secondary; 2 kV AC primary-box, secondary-box |
| Insulation resistance | more than 20 MΩ |
| Cooling | forced (fan with speed control) |
| IP protection | IP20 (input terminals IP00) |
| Protections | against overvoltage / undervoltage at the input, against short circuit at the output |
| Power consumption no load | approx. 10 W |
| MTBF | 1 040 000h according to IEC61709 (SN29500) @ 25 °C |

| | |
|-----------------------|-------------------|
| Weight | 1850 g |
| Material of enclosure | Fe/Zn metal plate |
| Dimensions | 265 x 122 x 70 mm |
| Degree of pollution | 2 |



RoHS comply

Yes

Connection data

Number of contacts

Wire cross-section

Input

3(+,-,PE)

4 mm²**Output**

EURO socket 230 V AC

cable 3x 1,5 mm²**Operation indication**

Without indication

Environmental conditions

Operating temperature

-5°C to 55 °C

Relative humidity (non-condensing)

10% to 95 %RH

Installation altitude

<2000 m above sea level

The inverter is designed for continuous operation 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**2 years****PACKING AND STORAGE**

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

Storage temperature -25 to 70 °C, relative humidity < 95 % (not condensing). It is prohibited to expose the product to mechanical shocks and injurious gases.