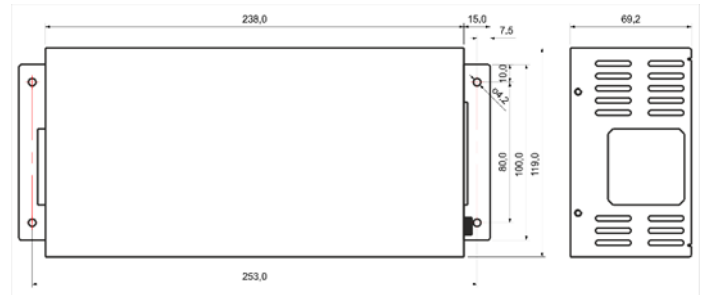


SJ-400-2k3_DT_4kV_110V



DESCRIPTION

DC/AC converter SJ-400-2K3_DT_4kV_110V 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 80-140 V DC (96 V start, 80 V stop inverter)
 Input current 7 A at 110 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 rotation Yes (with restart)

General Data

Efficiency, max. approx. 87 %
 Power losses at a nominal load approx. 39 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

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 -20 to 70 °C, relative humidity < 95 % (not condensing). It is prohibited to expose the product to mechanical shocks and injurious gases.