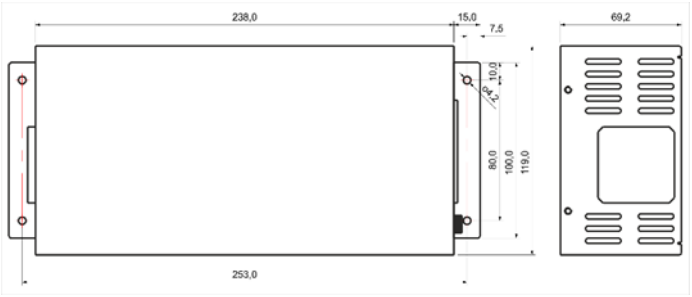
SJ-300-2k3_DT_4kV_24V



DESCRIPTION

DC/AC converter SJ-300-2K3_DT_4kV_24V 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	20-32 V DC (24 V start, 20 V stop inverter)
Input current	30 A at 24 V DC(at maximum overload)
Input fuse	Yes (internal fuse 30 A)

Output Data

Output voltage	230 V AC (sine wave)
Output power	200 W (300 VA)
Output power at overload	350 W/500 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. 87 %
Power losses at a nominal load	approx. 30 W
Electrical strength primary-secondary	4 kV AC primary-secondary; 2 kV AC primary-box, secondary-box
Insultation resistance	more than 20 M Ω
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	**Input**	**Output**
Number of contacts	3(+,-,PE)	EURO socket 230 V AC
Wire cross-section	10 mm^2	cable 3x 1,5 mm^2

Operation indication
Without indication

Environmental conditions

Operating temperature	-25°C to 70 °C (with power limitation -2,5%/°C from 55 to 70 °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.

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