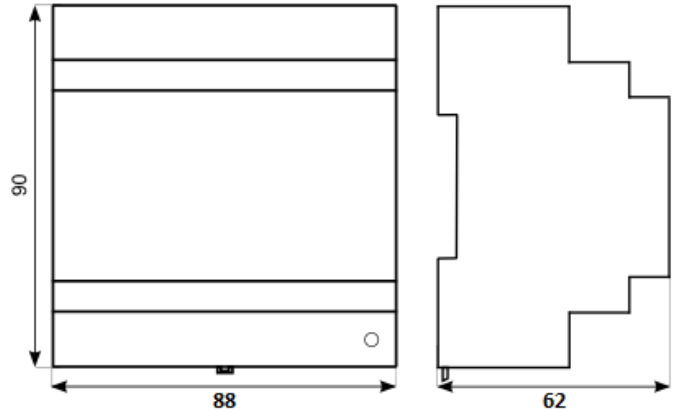


JS-20-240/DIN_BUF



DESCRIPTION

Switching AC/DC power supply for powering electronic devices with short-term output voltage backup (UPS function). Output circuit type SELV. Indication of operation by LED and signaling by closing the open collector. DIN35 rail mount.

TECHNICAL PARAMETERS

Input Data

Input voltage	230 V AC (180-265 V AC)
Frequency of input	47-63 Hz
Input current, max.	250 mA
Input fuse	Yes (internal T 1 AH / 250 V AC)

Output Data

Output voltage	24 V DC (+5/0 %) including line and load regulation
Output current	0,9 A max.
Output power	20 W
Backup time (UPS function)	>5 s (with output current 0,9 A and output voltage drop to 21,6 V)
Backup capacity	approx. 5 As (ampere seconds)
Short-circuit protection	Yes (auto resume)
Max. residual ripple	<150 mV

General Data

Efficiency, max.	approx. 86 %
Max. power loss (nominal load)	approx. 4 W
Impulse withstand	1 kV line to line, 2 kV line to case
Insulation	3 kV between primary and secondary (double insulation)
Insulation resistance	>50 MΩ
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

	Input	Output	Indication
Number of terminals	3 (N,GND,L)	4 (--,++)	2(C,E)
Wire cross-section			
Solid min/max	0,5/2,5 mm ² 20/13 AWG	0,5/2,5 mm ² 20/13 AWG	0,5/2,5 mm ² 20/13 AWG
Flexible min/max	0,5/2,5 mm ² 20/13 AWG	0,5/2,5 mm ² 20/13 AWG	0,5/2,5 mm ² 20/13 AWG
Tightening torque, min/max	0,5/0,6 Nm	0,5/0,6 Nm	0,5/0,6 Nm

Signal indication

Device working LED green and indication C,E – connected(open collector 35 V/10 mA max.)
Readiness for backup LED yellow

Environmental conditions

Operating temperature -20 °C to 55 °C
Relative humidity (non-condensing) 10 % to 80 % 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
Low voltage network connection VDE-AR-N 4105:2018-11

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 70 °C, relative humidity < 90 % (not condensing). It is prohibited to expose the product to mechanical shocks and injurious gases.