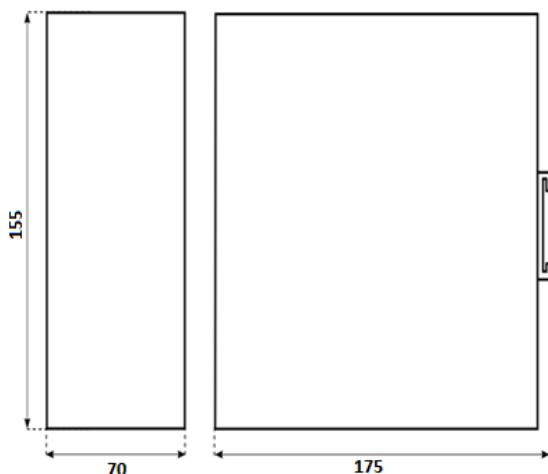


JS-300-138/DIN2_CH



DESCRIPTION

Switching power supply - AC/DC charger for supplying of electronic devices backed up by lead, NiCd or NiMH battery. Temperature compensation of the charging voltage. Mounting on DIN35 rail. LED operation indication and relay contacts.

TECHNICAL PARAMETERS

Input Data

| | |
|------------------------|------------------------------------|
| Input voltage, DC | 180 - 260 V AC |
| Frequency of input | 47-63 Hz |
| Input current, DC max. | 1,7 A at 230 V AC |
| Input fuse | Yes (internal T 6,3 AH / 250 V AC) |

Output Data

| | |
|----------------------------------|--|
| Output voltage | 13,8 V DC (adjustable +/- 5 %) |
| Output current | 20 A max. (current limit - sum of charging and output current) |
| Output power | 276 W |
| Temperature compensation voltage | -3 mV / article / °C (initial temperature 25 °C, terminal blocks T+, T-) |
| Power derating | -2 %/°C from 40 °C to 50 °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. 41 W |
| Parallel connection of outputs | Yes (integrated isolating diode on the output and LS switch) |
| Impulse withstand | 0,5 kV between L and N, 0,5 kV between L,N and frame |
| Isolation | 4 kV between primary and secondary (double insulation), 2 kV primary-frame |
| Cooling | natural (free air) |
| IP code | IP20 |
| Weight | 1400 g |
| Material of enclosure | Al + FeZN sheet |



DATASHEET

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| | |
|---------------------|-------------------|
| Dimensions | 70 x 155 x 175 mm |
| Class of protection | I. |
| Pollution degree | 2 |
| RoHS comply | Yes |

Connection data

| | Input | Output | Other |
|----------------------------|-------------------------|-------------------------|--------------------------|
| Number of terminals | 3 (L,N,PE) | 4 (++,--) | 4(COM, NO, T+, T-) |
| Wire cross-section | | | |
| Solid min/max | 0,5/2,5 mm ² | 0,5/2,5 mm ² | 0,25/1,5 mm ² |
| | 20/13 AWG | 20/13 AWG | 23/15 AWG |
| Flexible min/max | 0,5/2,5 mm ² | 0,5/2,5 mm ² | 0,25/1,5 mm ² |
| | 20/13 AWG | 20/13 AWG | 23/15 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 relay contact (connected COM, NO) |
|----------------|---|

Environmental conditions

| | |
|------------------------------------|-------------------------|
| Operating temperature | -20 °C to 50 °C |
| Relative humidity (non-condensing) | 10 % 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 |
| | EN 61000-6-3 ed.2 |

Limited warranty

5 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 < 80 % (not condensing). It is prohibited to expose the product to mechanical shocks and injurious gases.