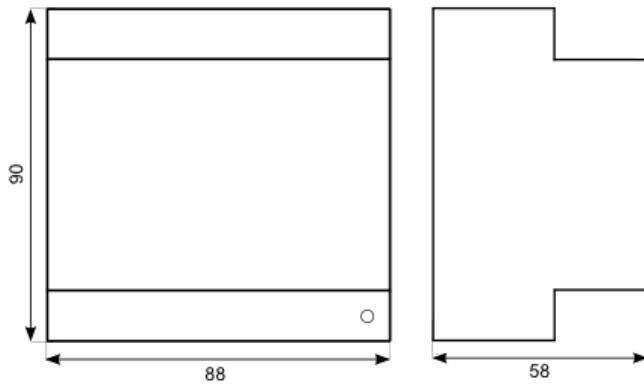


JS-75-120/DIN2



DESCRIPTION

High input voltage AC/DC power supply unit. Safe separation of primary and secondary circuits, secondary circuits SELV type. There is a possibility of parallel connection of two power supplies. Indication of operation by LED. DIN35 rail mount.

TECHNICAL PARAMETERS

Input Data

| | |
|------------------------|--|
| Input voltage, DC | 100 - 260 V AC (180-350 V DC) the output power must be reduced by 0,5 %/1 V at the input voltage below 150 V |
| Frequency of input | 47-63 Hz (0 Hz in case of DC grid) |
| Input current, DC max. | 0,4 A at 230 V AC (0,35 A at 220 V DC) |
| Input fuse | Yes (internal T 2 AH / 250 V AC) |

Output Data

| | |
|--------------------------|---|
| Output voltage | 12 V DC (V adj. 10,5-14 V DC) |
| Output current | 5 A max. |
| Output power | 60 W |
| 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. 9 W |
| Parallel operation | turn the LS switch to the ON position (integrated isolating diode at the output) |
| Impulse withstand | 0,5 kV line to line, 0,5 kV line to case |
| Isolation | 3 kV between primary and secondary (double insulation), 1,5 kV primary-frame |
| Cooling | natural (free air) |
| IP code | IP20 |
| Weight | 370 g |
| Material of enclosure | Al + FeZN sheet |



DATASHEET

20759218

| | |
|---------------------|-----------------|
| Dimensions | 90 x 88 x 58 mm |
| Class of protection | I. |
| Pollution degree | 2 |
| RoHS comply | Yes |

Connection data

| | Input | Output | Signalization |
|----------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Number of terminals | 3 (L,N,PE) | 2 (+/-) | 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 Optocoupler output, 35V / 10 mA open collector (C-collector, E-emitter) |
|----------------|--|

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.