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Switching power supply unit FSNT14-12V/12W

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

Temperature at mounting location:
-20°C up to +50°C.
Storage temperature: -25°C up to +70°C.
Relative humidity:
annual average value <75%.

Switching power supply unit rated capacity 12 W. Standby loss 0.2 watt only.

Modular devices for DIN 60715 TH35 rail mounting. 1 module = 18 mm wide, 58 mm deep. If the total power demand of a Series 14 bus system is higher than 8 W, other switching power supply units FSNT14-12V/12W are required. This each are supplying a group of actuators, which are separated with a disconnecting link on the FSNT14.

The scope of delivery includes 1 disconnecting link TB14 1 TE, 1 jumper 1.5 TE and a spacer DS14.

At a load of more than 50% of the rated capacity and always if there are adjacent switching power supply units and dimmers a ventilation clearance of 1/2 module must be maintained with the spacer DS14. Therefore, this and a long jumper are included. Input voltage 230 V (-20% bis +10%). Efficiency 83%.

Stabilised output voltage ±1%, low residual ripple. Short-circuit proof. Overload protection and over-temperature switch-off by means of switching off with automatic switching-on after fault clearance (autorecovery function). This switching power supply unit can also be used for producing a redundancy.

Therefore only 1 FSNT14 should be plugged in parallel to the integrated power supply units into the FAM14 and FTS14KS and connected to a normal jumper.

For an optimal load distribution, the FSNT14 should be placed as close as possible to the last bus actuator.

Use this power supply as a replacement for the overloaded or already defective power supply (left half) of an FAM14:

- 1) Switch off the mains voltage.
- 2) Remove the cables from connections N and L from the FAM14.
- 3) Remove jumpers and terminating resistor on the FAM14 and take the FAM14 off the mounting rail.
- 4) Separate the two halves of the FAM14 with a narrow screwdriver.
- 5) Remove the front panel of the FSNT14.
- 6) Remove the front panel of the left half of the FAM14 and snap it onto the FSNT14.
- 7) Join the 'FSNT14' with the right half of the FAM14 and snap it onto the mounting rail.
- 8) Connect cables N and L to the FAM14.
- 9) Put jumpers and terminating resistor on the FAM14.
- 10) Switch on the mains voltage.

Technical data

Residual ripple	100 mV
Class of protection	II
Protection degree	IP20
Starting current ¹⁾	18 A/230 V
Overload protection short-term	160-200%
Overvoltage protection	140-170%

¹⁾ If connected on the primary side, 2 ms.

Must be kept for later use!
We recommend the housing for operating instructions GBA14.

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