GB CE

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Eltako

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 0.1 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 ½ module must be maintained with the spacer DS14. Therefore, this and a long jumper are included.

Input voltage 230 V (-10% bis +10%). Efficiency 87%.

Stabilised output voltage ±1%, low residual ripple. Short-circuit proof. Overload protection and over-temperature switch-off by means of swichting 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.

Manuals and documents in further languages:

https://eltako.com/redirect/FSNT14-12V*12W

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

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19/2024 Subject to change without notice.