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DATA SHEET

mH-SU50

Power supply unit
of the F&Home system

F&Home

The mH-SU50 power supply unit is used to supply system components supplied with 24 V DC voltage. In effect, one mH-SU50 unit is sufficient for a small system. For a large system, more powerful power supplies manufactured by F&F such as the ZI120-24 are recommended. For safety reasons, it is recommended to use the mH-SP filter module and the B6A overcurrent circuit breaker in the power supply circuit. The module is mounted in the switchgear where it occupies a field of 6 modules. The unit has electronic short-circuit and overheating protection. 24 V line protection is not required. If there are many switchgears in the building, each switchgear should be equipped with an independent power supply unit with a filter protecting it. When connecting the system components to the power supply, special attention should be paid to the polarity of the power supply. Relay-type modules will not start when the power supply is inversely connected.

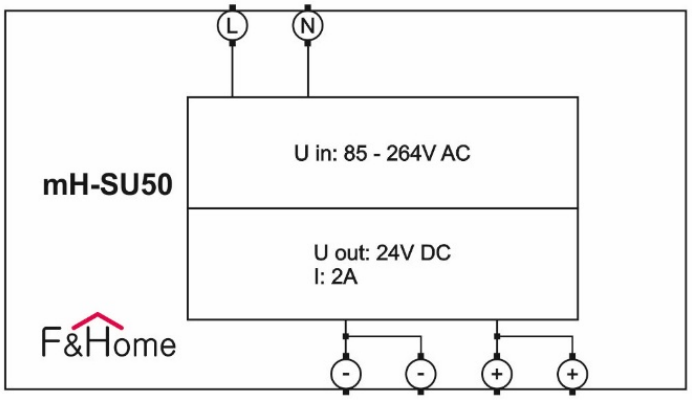
Inputs / outputs

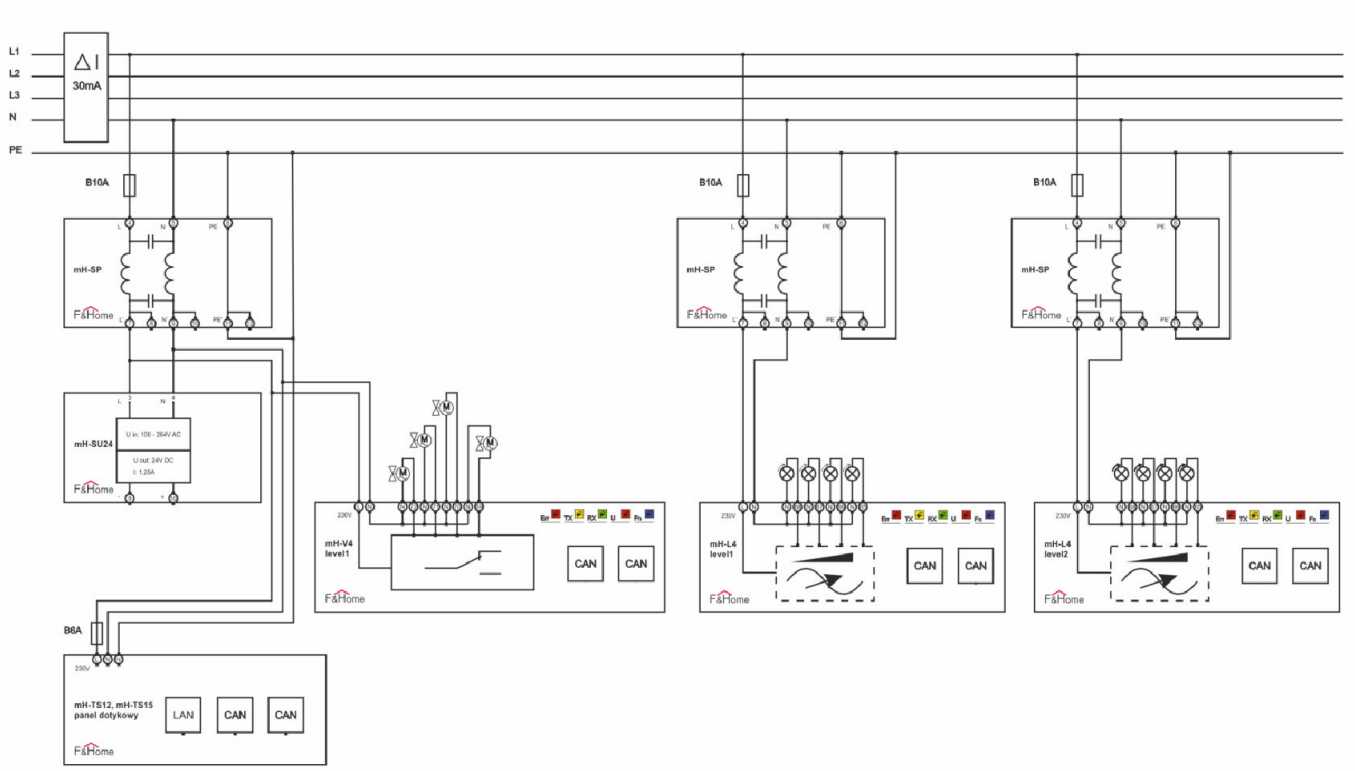
The mH-SU50 module has one input of 230 V power supply voltage and one 24 V DC voltage output.

Operating principle

The mH-SU50 module is a pulse power supply, which means minimal sensitivity to fluctuations in the supply voltage. In effect, the 24 V output voltage is stabilized even if the supply voltage drops below 100 V.

Connection diagram




L1
L2
L3
N
PE
30mA
B10A
mH-SP
mH-SU24
B6A
mH-V4
level1
mH-L4
level1
mH-L4
level2
mH-TS12, mH-TS15
panel dotykowy
LAN
CAN
F&Home

Technical data table	
Module type	power supply
Rated supply voltage	230 V AC
Power supply voltage range	85 – 264 V AC
Stabilized output voltage	24 V DC
Power supply	50 W
Maximum momentary overload	110% Iout
Operating temperature	0^{O}C, +40^{O}C
Humidity	<=85% (without condensation or aggressive gases)
Dimensions	105 x 65 x 90 mm (6 modules)
Dimensions of the packaging	119 x 104 x 75 mm
Ingress protection	IP20
Operating position	any
Enclosure type	for DIN rail
Net weight	254 g
Gross weight (including packaging)	293 g

WARNING

The method of connection is specified in this manual. Installation, connection and adjustment should be carried out by authorized electricians who are familiar with the operating instructions and the functions of the module.

The correct operation is affected by the way the module is transported, stored and used. Installation of the module is not recommended in the following cases: missing components, damage to the module or its deformation.
In case of malfunction, please contact the manufacturer.