

LCN-NH24

24V Power Supply Unit DIN rail mounted



Description:

The LCN-NH24 is a 24V PSU for motors capable of reversing the polarity of it's output enabling drive in both directions. It converts comfortably 230V AC into 24V DC for shutter motors and blinds.

Additionally the LCN-NH12 has an internal current sensor so when used in conjunction with a binary sensor it can report on the state of the motor e.g. whether the motor is actually running.

Field of application:

The LCN-NH24 is directly switched between the two 230V outputs of an intelligent bus module (A1 and A2) and a 24V motor.

The LCN-NH24 can also be used as a separate power supply for powering devices outside from the LCN system which require a stepdown voltage to 24V.

Hardware equipment:

Output for power supply with 24V (reversible polarity)

Current sensor

Status display

Note:

Unique to the LCN-NH24 is the internal current sensor that when used in conjunction with a binary sensor (LCN-B3I/-B8L) it can report on the state of the motor e.g. whether the motor is actually running.

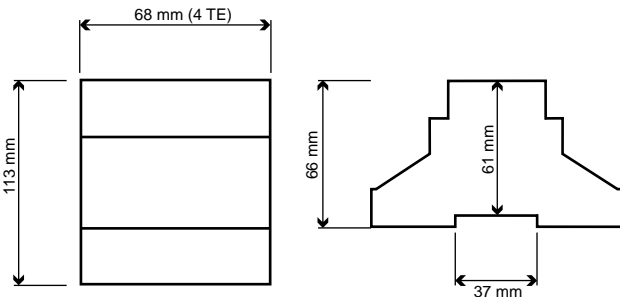
The PSU is unregulated, the no load output can be greater than the nominal voltage.

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Dimensions:

Mass (W x L x H): 68 mm x 113 mm x 66 mm



Space requirement: 4TE

Assembly: Attached built-in device on 35 mm mounting rail (DIN 50022) or screw fixture

Technical Data:

Connection:
 Supply voltage: 230V~ ±15%, 50Hz
 Input power: max. 12W
 Micro fuse: 100mAT
 Wiring option: screwless max. 16A
 Cable type: single or multi-core 2,5mm² or with insulated ferrules (max. 1,5mm²)

Output:
 Voltage: + / - 24V=
 Power capacity: 0,5A
 Neutral voltage: 30V=

Binary signal:
 Querying voltage: max. 24V=
 Querying current: max. 0,1A

General Details:
 Operating temperature: -10°C to +40°C
 Humidity: max. 80% rel., non condensing

Environmental conditions: stationary installation according to VDE 632, VDE 637

Safety classification: IP 20

Circuit Diagram

