

LCN-IS24

24V~isolation Amplifier DIN rail mounted



Description:

The LCN-IS24 isolation amplifier is an LCN coupling module for the LCN bus system. It has connections for the 24V LCN bus and the LCN two-wire bus.

As the module has no processor, setting of parameters through the system software is not necessary.

Field of application:

The LCN-IS24 isolates the data wire through opto couplers and so prevents any accidental energisation of connected devices. The LCN-IS24 is deemed to be galvanically isolated when set in a 24V LCN Bus with no TN system.

Note:

Only one two-wire bus per segment is allowed.

The maximum length of the two-wire bus from the first LCN-IS to the last is 20M.

A max. of 10 LCN-IS can be connected to one two-wire-bus.

Hardware equipment:

Connections for the 24V LCN bus

Connections for the LCN two-wire-bus

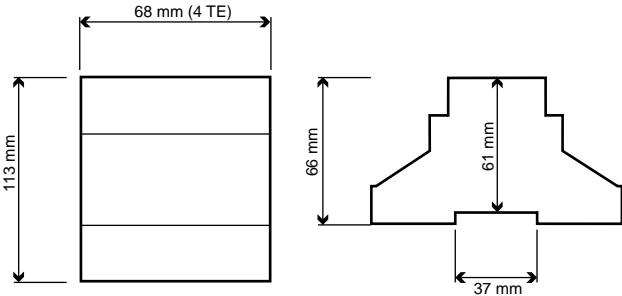
LED status display on the LCN-IS isolation amplifier for on-the-spot diagnosis

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Dimensions:

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



Height: 66mm
61mm via DIN Rail

Space requirement: 4TE

Assembly: Attached fitted unit on 35 mm (DIN 50022) or screw fixture

Technical Data:

Connection:
Supply voltage: 26V~ ±20%, 50Hz
Input power: <1.7W power consumption

Terminals : screwless max. 16A
Cable type: single or multi core (max.2,5mm²) or with insulated ferrules (max. 1,5mm²)

Two-wire-bus connection:
Terminals screwless
Conductor type: max. 1,2mm Ø
Range: max. 20m (total)
Devices: max. 10 (IS24, IS, LLK and/or LLG)

General Details:
Operating temperature: -10°C bis +40°C
Humidity: max. 80% rel., non condensing
Environmental conditions: stationary installation according to VDE 632, VDE 637

Safety classification: IP 20

Circuit Diagram

