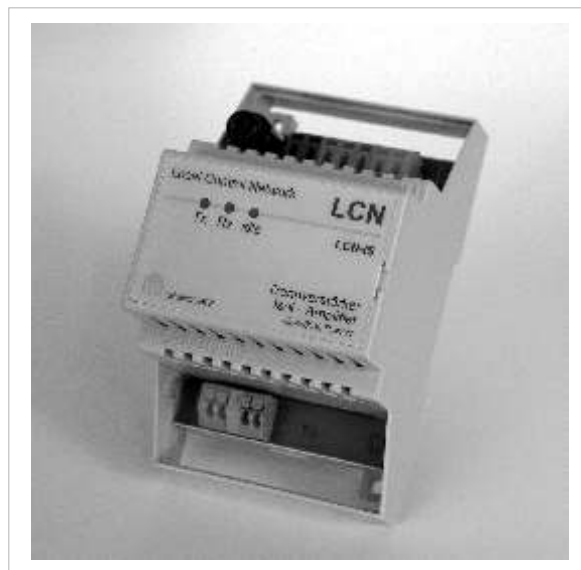


LCN-IS

Isolation amplifier DIN rail mounted



Description:

The LCN-IS isolation amplifier is an LCN coupler module for the LCN bus system. It has connections for the LCN BUS and the LCN two-wire bus.

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

Fields of application:

The isolation amplifier LCN-IS is used for signal amplification of the LCN BUS.

Each LCN-IS allows the connection of up to a max of 1km with NYM cable. Additionally it provides galvanic separation between various installation circuits, ie between circuits protected by RCD within an LCN segment. Plus, it is necessary for the signal conversion and preparation for the LCN light wave coupler LCN-LLK respectively LCN-LLG.

Note:

Only one two-wire bus allowed per segment.

Maximum length of the two-wire bus is 20m.

There is a maximum of 10 devices (LCN-LLK, LCN-LLG) to be connected to the two-wire bus .

Hardware equipment:

Connections for the LCN bus

Connections for the LCN two-wire bus

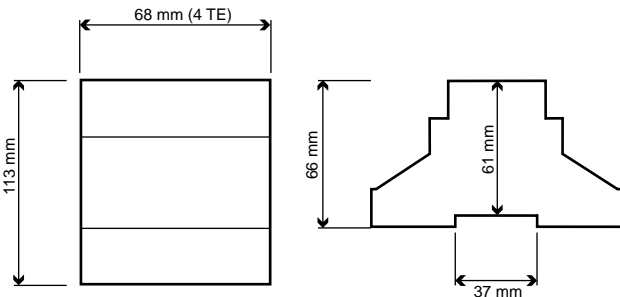
LED-status display for immediate diagnosis

LCN-IS

Isolation amplifier DIN rail mounted

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 built-in device on 35 mm (DIN 50022) or screw fixture

Technical Data:

Connection:
Supply voltage: 230V~ ±10%, 50Hz
Input power: <2W 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
Cable type: max. 1,2mm Ø
Range: max. 20m (total)
Devices: max. 10 (IS, LLK and/or LLG)

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

