

LCN-LLK

Fibre optics transceiver for plastic cable DIN rail mounting

The LCN-LLK is the plastic LWL coupler for the LCN bus system. It is used as a double transceiver module and has connections for the LCN two-wire bus and the plastic fibre optics cable.

As it does not have its own processor, programming with the LCN software LCN-PRO is not necessary.

Field of application:

The fibre optic LWK coupler LCN-LLG is used for the connection of spatially-separated LCN buses within an LCN segment with a max. range of 100m when used with LCN-LK cables. Single building-, rented and supply areas are connected with each other so that communication among all LCN bus modules is possible.

Hardware:

Connections for the LCN two-wire bus

Connections for the LWL cable

Status display for immediate diagnosis

Test jumper for controlling the optical output level



Note:

Direct connection to the data line of the LCN bus is not possible. For this a LCN-IS is needed for the signal conversion. A maximum of 15 devices (LCN-IS, LCN-LLK, LCN-LLG) can be connected to the two-wire bus.

Installation regulations for laying fibre optic cables are to be adhered to.

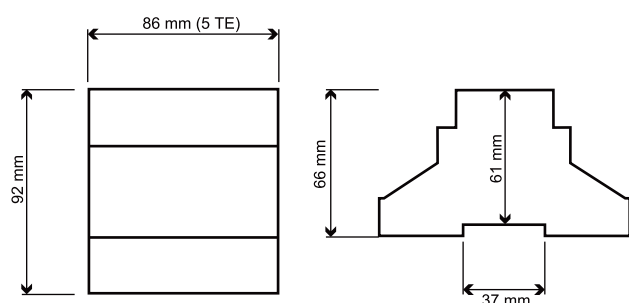
For detailed information please refer to the installation manual/instructions.

LCN-LLK

Fibre optics transceiver for plastic cabel DIN rail mounting

Dimensions:

(L x W x H): 86 mm x 92 mm x 66 mm

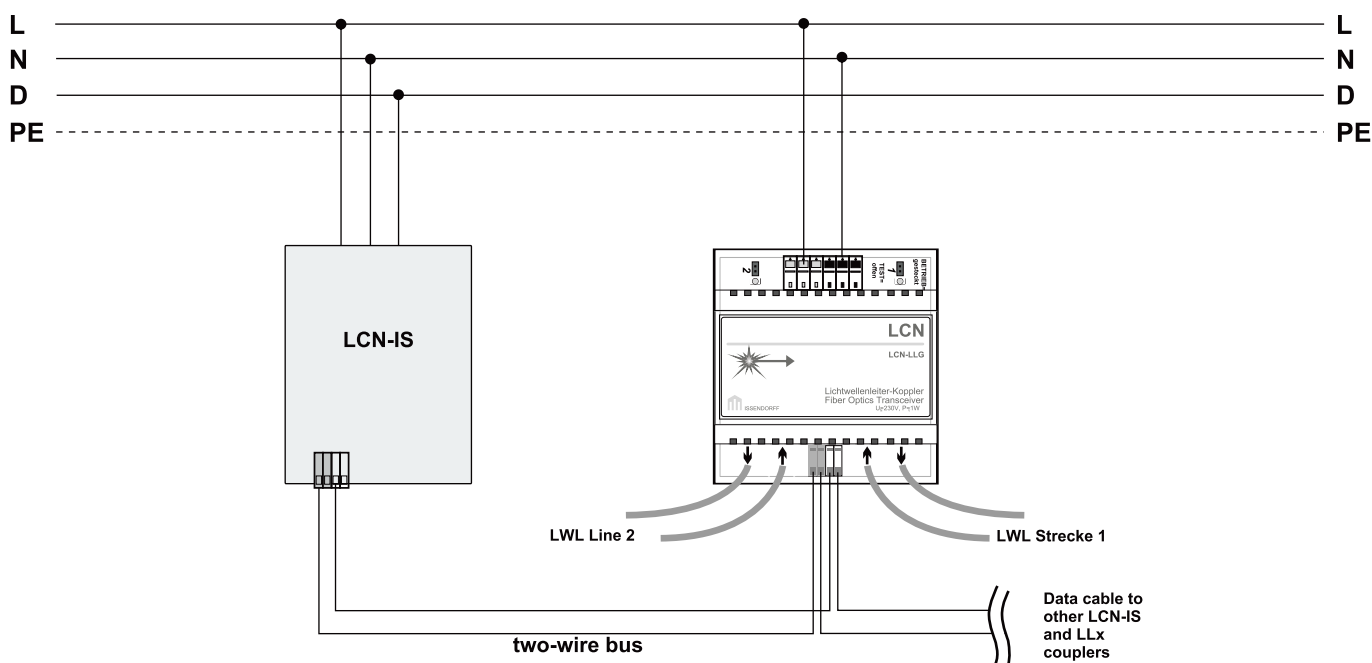


Height: 66mm
61mm via DIN rail

Space requirement: 5TE

Assembly: REG on 35 mm mounting rail
(DIN 50022)

Circuit Diagram:



Technical Data:

Connection:

Supply voltage: 230V AC \pm 10%, 50Hz
(110V AC \pm 15% type available)
Input power: <2W power consumption

Terminals:

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

Fibre optics connection:

Connection: union nut
Cable type: 980 / 1000nm
Wave length: 650nm (visible, red light)
Range: max. 100m with LCN-LK cabel
Devices: max. 5 couplers on LWL-side
switchable in succession
Yes

Repeater function:

Two-wire bus connection

Terminals: screwless
Cable type: max. 1,2mm \varnothing
Range: max. 50m(total)
Devices: max. 15 (IS, LLK and/or LLG)

Installation:

Operating temperature: -10°C to + 40°C
Humidity: max. 80% rel., non condensing
Environmental conditions: stationary installation according
to VDE 631, VDE 637

Safety classification: IP20