

LCN-B8L

Binary Sensor 8x 24V with integrated PSU DIN rail mounted



Description:

The LCN-B8L is a Binary sensor for evaluating up to 8 permanent 24V contacts supplied by an external power supply. It can also be used for potential free contacts using an interrogation voltage.

With its connecting cable the LCN-B8H connects to the P-Port of an intelligent bus module e.g LCN-HU, LCN-SH or LCN-LD.

Each binary input recognises the two states ON/OFF. The **hold-** command is carried out when the contact is closed, on opening the contact the **release-** command is carried out.

An LCN module with a binary sensor automatically sends status messages along the bus without the need for programming this in the LCN module.

Field of application:

Permanant contacts are integrated onto the LCN system through the Binary Sensor LCN-B8L. These can be motion detectors, limit switches, thermostats or other signal contacts. With this e.g. doors, hallways and timers are integrated onto the LCN.

Furthermore, this information can be used for shutter control depending on time of day, for alarm systems and for turning down the heating at night etc...

Note:

The input cables are limited to a length of 100m. This is due to the presence of quiescent current caused by the effects of crosstalk in long signal cables.

Hardware equipment:

8 binary inputs at 24V

8 status LEDs

Ribbon cable with plug for P-Port connection

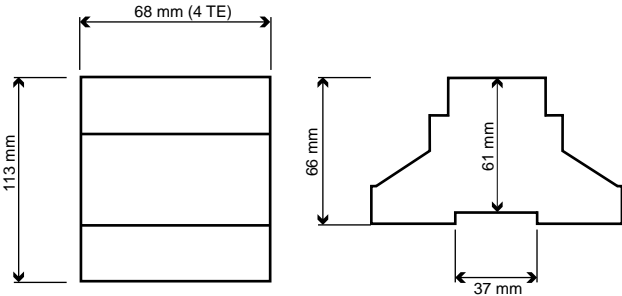
I-Port socket for optional connection of a relay block

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Dimensions:

Mass (W x L x H): 68mm x 113mm x 66mm
Supply Cable: 180mm



Height: 66mm
 61mm via DIN rail

Space requirement: 4TE

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

Technical Data:

Connection in case of internal supply:

Supply voltage: 230V ~ ±15%, 50Hz

Inputs:

Input voltage: 20V - 48V=
 20V to 34V~

Debounce time: 500ms (30ms adjustable)

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

Connection length: max. 100 metres per input

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

