

# LCN-B8H

## Binary Sensor 8x 230V DIN rail mounted



### Description:

The LCN-B8H is a Binary sensor for evaluating up to 8 permanent 230V AC contacts. The inputs may have different phases.

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:

Permanent contacts are integrated onto the LCN system through the Binary Sensor LCN-B8H. 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 effects of crosstalk in long signal cables.

### Hardware equipment:

8 binary inputs at 230V

8 status LEDs

Ribbon cable with plug for P-Port connection

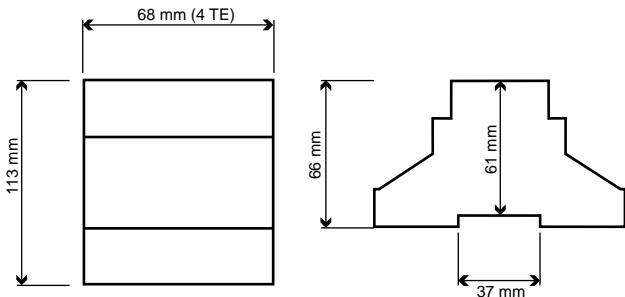
I-Port socket for optional connection of a relay block

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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:** 4 TE

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

### Technical Data:

**Inputs:**  
 Supply voltage: 230V~, 50Hz  
 ON-level: > 170V~  
 OFF-level: < 100V~  
 Input quiescent current: max. 2mA  
 Debounce time: 500ms (30ms adjustable)  
 Terminals: screwless  
 Cable type: single or multi-core max. 2,5mm<sup>2</sup> or with insulated ferrules max. 1,5mm<sup>2</sup>  
 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

