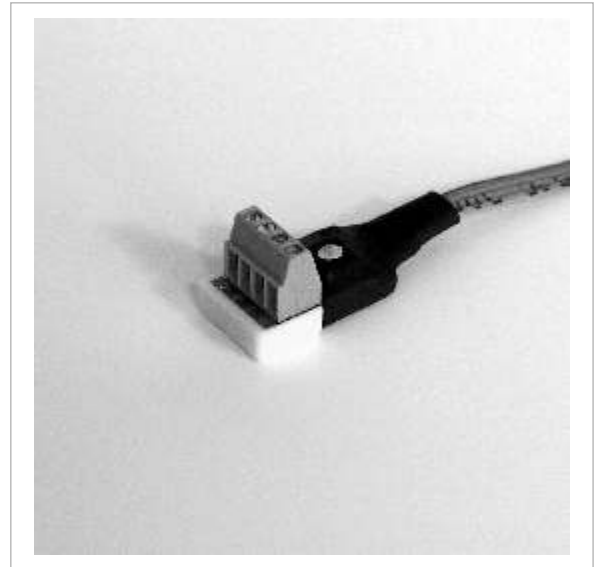


LCN-B3I

3-way Binary Sensor for the I-Port



Description:

The LCN-B3I is a miniaturized binary sensor for up to 3 potential-free contacts. It provides an interrogation voltage of 5V.

It has its own processor and sends information to the I-Port of the LCN-UPP, LCN-UP24, LCN-SH, LCN-HU, LCN-LD or LCN-DI12 modules.

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.

Hardware equipment:

3 Binary inputs + Interrogation voltage

Ribbon cable with plug for the I-Port connection

Field of application:

Due to its compact form the LCN-B3I can be used in many places in the building.

It integrates up to 3 permanent potential-free contacts onto the LCN system. These can be Reed contacts, limit switches or other signal contacts. With this e.g. windows, doors and smoke detectors can be integrated onto the LCN and reported.

Note:

The "N" terminal refers to neutral and must not be put onto an external potential

The inputs are signal wires and are to be treated accordingly i.e separated from 230V lines.

Care must be taken when choosing the contact material (low interrogation current)!

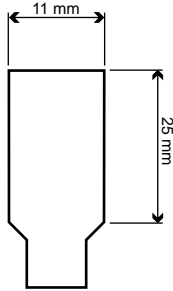
LCN-B3I

3-way Binary Sensor for the I-Port

Dimensions:

Mass (W x L x H): 11 mm x 25 mm x 13 mm

Supply Cable: 300 mm



Technical Data:

Inputs:

Supply voltage: 5V, made ready by the sensor (WRT N)

Querying current: 50µA
 Contact resistance On: max. 10kOhm
 Contact resistance Off: min. 200kOhm
 Debounce-time: 30ms

Terminals: for screwing
 Cable type: single or multi-core (max. 0,5mm²), with or without insulated ferrules.

Connection length: max. 10m (up to 100m with shielded cable)

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, when installed in patress box

Assembly:

De-centralized installation in deep switch - or junction boxes.

Circuit Diagram

