

# LCN-BS4

## Binary Current Sensor 4x DIN rail mounted



### Description:

The LCN-BS4 is a 4-channel binary current sensor for the LCN system. Inputs 1 and 2 can be used for AC motor positioning with limit switches.

The LCN-BS4 is connected to the P-Port of an intelligent bus module e.g LCN-HU, LCN-SH or LCN-LD.

Apon exceeding the upper current limit the "hold" command is triggered by the bus module when falling below this limit a "release" command is triggered.

LCN modules with a binary sensors automatically send status messages to the intelligent bus module there is no need to set parameters.

### Field of application:

The binary current sensor LCN-BS4 is used for the monitoring of devices and motor positioning.

With help from this module e.g. lighting circuits or pumps can be monitored for failure and maintenance work can then be reported.

In connection with relay module LCN-R8H motor drives for windows, shutters, blinds or awnings can be accurately positioned. Ventilation and shading can be controlled.

### Note:

Only for devices with a minimum current of greater than 120mA  
Below this limit smaller motors may only drive in one direction.  
Limit switches are needed for the positioning of AC motors.

### Hardware equipment:

4 binary-monitored current paths 16A

2 current pathst for motor positioning

Cable with plug for P-Port connection

P-Port socket for optional connection of relay block

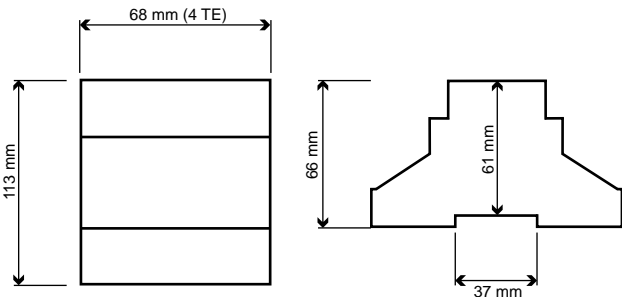
4 status LEDs

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**Dimensions:**

**Mass** (W x L x H): 68mm x 113mm x 66mm  
**Supply Cable:** 120mm



**Height:** 66mm  
61mm via DIN rail

**Space requirement:** 4TE

**Assembly:** 35 mm DIN mounting rail (DIN 50022) or screw fixture

**Technical Data:**

**Inputs:**  
 Input voltage: 230V~, 50Hz  
 On-current: > 120mA  
 Off-current: < 100mA  
 Power loss: 2W per input at full load  
 Debounce time: 500ms (30ms adjustable)  
 Max. current: 16A

**Terminals:** screwless  
**Cable type:** 16A single or multi-core (max.2,5mm<sup>2</sup>) or with insulated ferrules (max.1,5mm<sup>2</sup>)

**Cable 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**

