eibSOLO

Binary Input

BE9FK

Description

The *eibSOLO* binary input BE9FK can generate bus telegrams on 9 independent channels. The sensing voltage required is supplied by the devices from bus voltage. This allows conventional, potential-free pushbuttons or switches to be directly connected.

Each channel is connected to a screwless terminal. For each channel, an LED indicates the state of the signal.

Comprehensive application software allows each channel to be parameterized individually. A counting feature complements the switching, dimming, shutter control and value feature of the binary input. The switching feature can generate two separate telegrams.

Technical Data

max. group addresses	34
type of contact	potential-free, maximum cable lenght 100m
auxiliary power supply	not necessary
protection class	IP 20
dimensions	108 x 90 x 65 mm (6 RU*)
installation	35 mm DIN rail
operating temperature	-5 ... +45°C
display elements	one LED for each channel, display even without bus voltage (BE9F24/230)

*RU = rail unit

The total load must not cause overheating of the device!

EIB
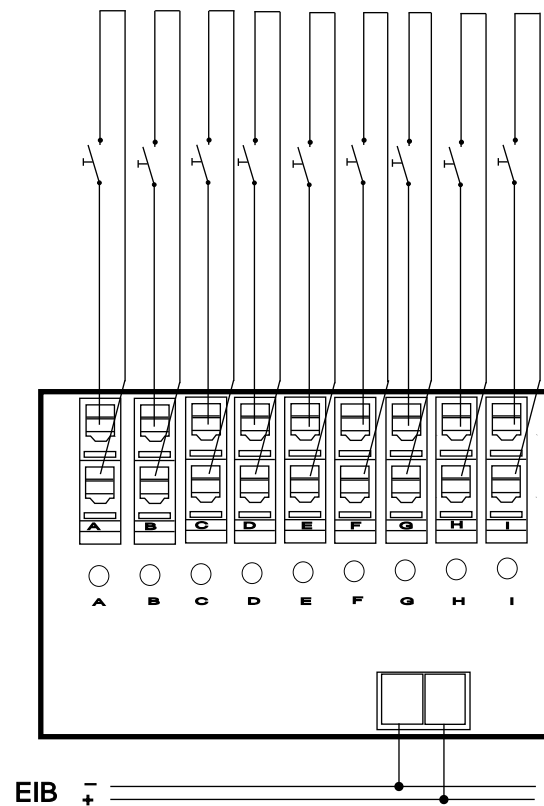
Terminals

- terminal cross section: 0.08 - 2.5 mm²
- stripping lenght: 5 - 6 mm
- conductors permitted:
  - single core
  - multi-filar
  - fine-wired, including tin-plated individual wires
  - fine-wired, with wire end sleeves

Warnings

The device must only be installed and configured by a qualified professional!

If the outlets are connected to different mains phases which are not protected by the same protector unit, a clearly visible note to that effect has to be attached to the device!

Health and safety regulations have to be compiled with!

Do not open the device!

A faulty device must be returned immediately to Lingg & Janke OHG!

Configuration

The factory settings of the sensor do not feature any device or group addresses. The functions required are assigned when setting the parameters. During the planning phase with ETS, objects which are not assigned are not displayed either.

important:
The bus coupling unit (BCU 2.1) used in the sensor requires the following to be installed before first-time use of the device:

programming exclusively with ETS 2.0 version 1.2a or later
- product data base 05/2006 or later
- current service patch

The application programm must always be fully downloaded to the device, never partially. Partial download of the programm may lead to malfunctions.

Installation

The device is mounted on a DIN rail, DIN EN 60715 TH35

Position the device on the DIN rail from above. Apply brief, strong pressure on the lower edge of the casing to engage the casing with the rail.

The device can be removed from the rail without any tools: simply slide it from the DIN rail upwards and remove it from the top of the rail. Do not apply any force lest the clamps be damaged.

To connect the wires to the screwless terminals, insert a slotted screwdriver into the respective mounting hole under the terminal, which opens the terminal. Insert the wire into the mounting hole and remove the screwdriver. The wire is now locked in place.