

**Data rail 214 mm with connector
(ca. 12 modules)**

Order no.: 1154 00

General system information

This device is a product of the Instabus KNX/EIB-system and complies with KNX directives.

Detailed technical knowledge obtained in Instabus KNX/EIB training courses is a prerequisite to proper understanding.

For the technical descriptions please refer to the internet at www.gira.de offering up-to-date information.

**Indications of Danger****Attention:**

Electrical equipment must be installed and fitted only by qualified electricians and in observance of the applicable accident prevention regulations.

- Open DIN rail sections with incorporated data rail must be protected with a cover strip.
- The data rail must not be shortened or otherwise modified.
- Any non-observance of the fitting instructions may cause fire or other hazards.

Function

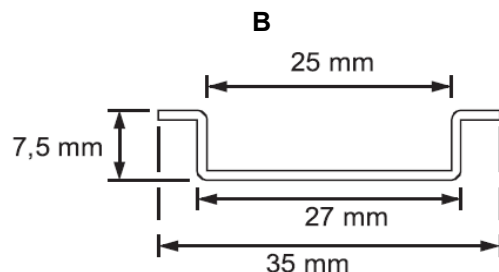
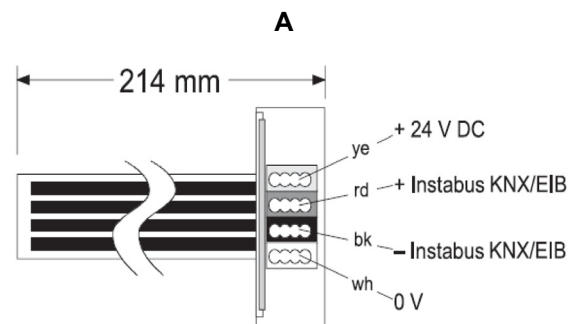
The data rail with connector (FIG. A) is suitable for 35 x 7.5 mm DIN rails in acc. with EN 50022 (FIG.B) ensuring the connection between Instabus KNX/EIB rail-mounted devices with pressure contacts. The data rail is glued into the DIN rail. The data rail is equipped at the right end with a connector consisting of an attached 4-pole bus terminal.

The printed conductors and the terminal are connected in acc. with the KNX/EIB standard as follows (from top to bottom):

yellow: +24V
red: + Instabus KNX/EIB
black: - Instabus KNX/EIB
white: 0 V

Important!

This assignment of the printed conductors is correct only if the connector is on the **right** during installation.



Installation

1. Remove the protective strip on the adhesive layer at the back of the data rail.
2. Stick the data rail into the DIN rail making sure the connector is on the right side.
3. Connect the KNX/EIB bus line to the connector.
4. Snap the cover on the connector to protect the bus line against contact with other voltages.
5. Remove the protective foil from the data rail before fitting the rail-mounted devices.
6. Protect the open sections of the DIN rail with a cover strip (order no. 0590 00).

Important: The data rail must not be shortened.

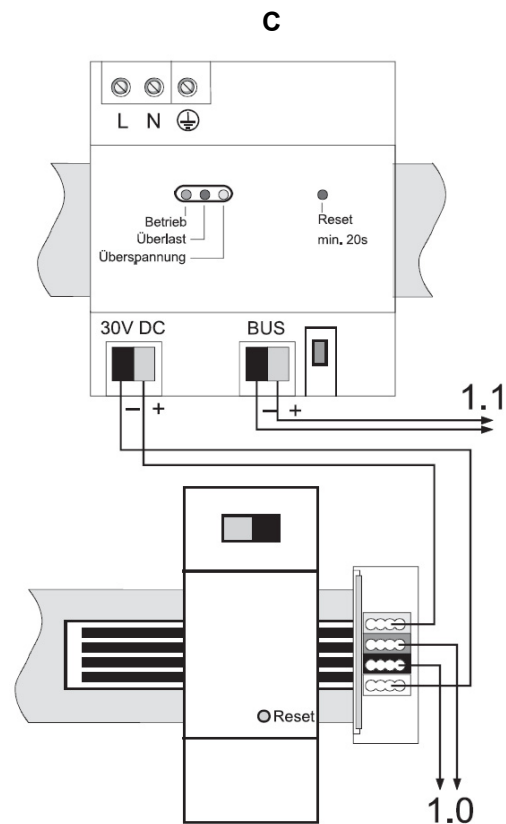
Connection to another line (FIG. C)

The outer contacts (yellow and white) of the data rail are used for supplying KNX/EIB lines via a separate KNX/EIB choke.

FIG. C shows the wiring.

Important:

Do not connect KNX/EIB devices between power supply and second choke. These devices cannot exchange telegrams.



Technical Data

Ambient temperature: -5 °C to +45 °C
Storage temperature: -25 °C to +70 °C

Connection Instabus
KNX/EIB

Data rail: REG pressure contacts
in acc. with KNX/EIB
standard

Connecting and
branch terminal: Bus cable Ø 0.8 mm,
single-wire

Dimensions:

Installation width
(incl. connector): 214 mm / 12 modules
Connector housing
(LxWxH): 16.5 x 38.5 x 37.5 mm
Data rail (LxW): 214 x 24 mm

Weight: ca. 35 g

Bus voltage: SELV 21 to 32 V DCC

Acceptance of guarantee

We accept the guarantee in accordance with the corresponding legal provisions.

Please return the unit postage paid to our central service department giving a brief description of the fault:

Gira
Giersiepen GmbH & Co. KG
Service Center
Dahlienstrasse 12
D-42477 Radevormwald

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