

**Choke**

Order-No. : 0581 00

**Operating instructions****1 Safety instructions**

Electrical equipment may only be installed and fitted by electrically skilled persons.

Failure to observe the instructions may cause damage to the device and result in fire and other hazards.

Hazard due to electric shock on all parts of the bus installation. During assembly with data rail, cover free areas of the data rail with cover strips.

These instructions are an integral part of the product, and must remain with the end customer.

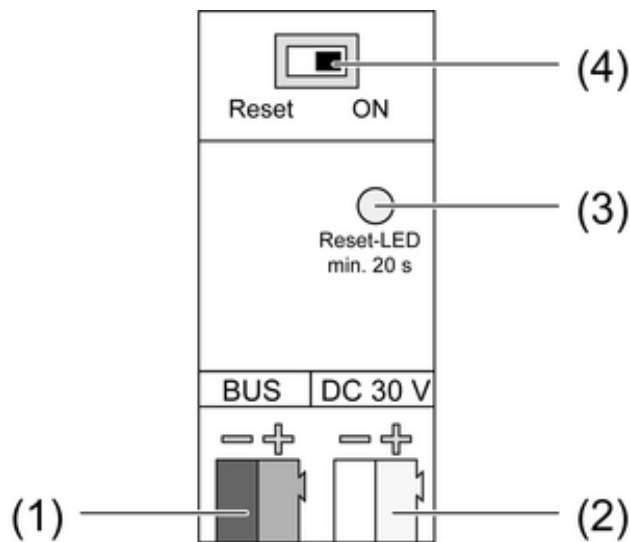
**2 Device components**

Figure 1: Choke – Front view

- (1) Bus connection
  - (2) Connection DC 30 V
  - (3) LED Reset, red  
On: The bus voltage is switched off, bus line is short-circuited.
  - (4) Reset switch for bus line  
Position **ON**: Bus line in operation  
Position **Reset**: Bus line will be reset
- i** A bus reset should take at least 20 seconds.

**3 Function****System information**

This device is a product of the KNX system and complies with the KNX directives. Detailed technical knowledge obtained in KNX training courses is a prerequisite to proper understanding.

**Intended use**

- Decoupling of bus line and power supply
- Mounting on DIN rail according to EN 60715 in distribution boxes

### Product characteristics

- Operation with or without KNX data rail possible
- Contact to the data rail via contact spring system
- Connection for bus terminal and power supply
- Reset switch for activation of the bus line
- Indicator LED for reset state

## 4 Information for electrically skilled persons



### DANGER!

Electrical shock on contact with live parts in the installation environment.  
Electrical shocks can be fatal.

Before working on the device, disconnect the power supply and cover up live parts in the working environment.

### 4.1 Fitting and electrical connection

#### Fitting and connecting device with data rail

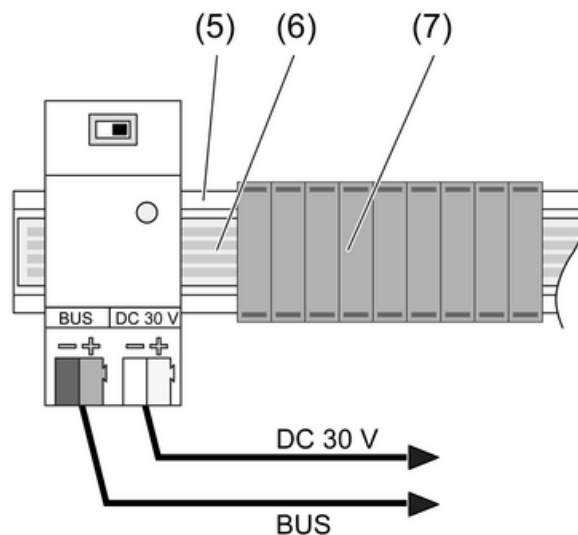


Figure 2: Assembly with data rail and cover strips

Data rail (6) is glued into mounting rail (5).

- Snap device onto DIN rail.
- Cover free areas of the data rail with cover strips (7).
- Connect power supply to the terminal (2).
- Connect bus line to terminal (1).

**i** Do not operate device without terminal plugged in.

**Fitting and connecting device without data rail**

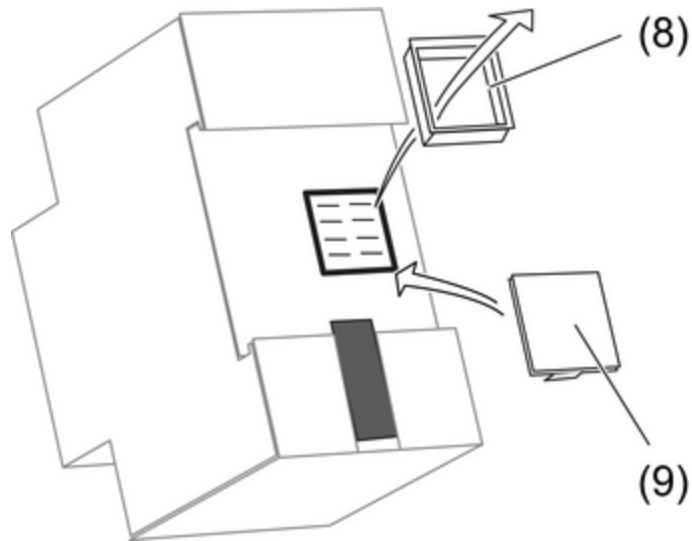


Figure 3: Insulating data rail contacts

- Remove the guide (8) of the data rail contacts. To do this, insert a small screwdriver laterally between the housing and guide (8) and raise the guide.
- Attach the enclosed insulating cap (9) onto the data rail contacts and lock into place by pressing.
- Snap device onto DIN rail.

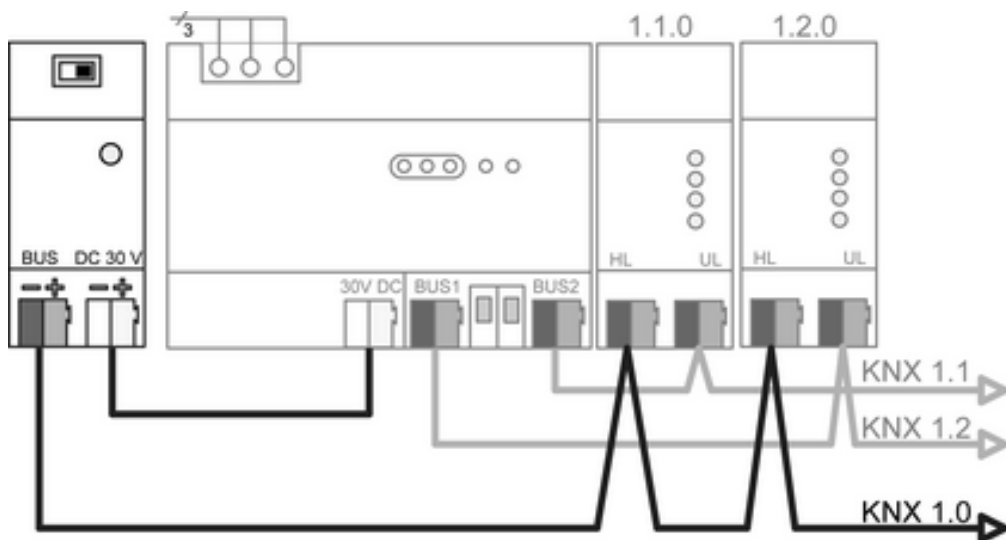


Figure 4: Connection example: Power supply, two lines and main line

- Connect power supply to the terminal (2).
- Connect bus line to terminal (1).

**5 Appendix**

**5.1 Technical data**

KNX medium  
Nominal current

TP 1  
640 mA (all outputs)

Connection DC 30 V	
Input voltage	DC 29 ... 32 V SELV
Connection	Connection terminal
Connection, BUS	
Bus output voltage	DC 28 ... 31 V SELV
Connection	Connection terminal
Ambient temperature	-5 ... +45 °C
Storage/transport temperature	-25 ... +70 °C
Fitting width	36 mm / 2 modules

## 5.2 Warranty

The warranty is provided in accordance with statutory requirements via the specialist trade.

Please submit or send faulty devices postage paid together with an error description to your responsible salesperson (specialist trade/installation company/electrical specialist trade). They will forward the devices to the Gira Service Center.

**Gira**  
**Giersiepen GmbH & Co. KG**  
Elektro-Installations-  
Systeme

Industriegebiet Mermbach  
Dahlienstraße  
42477 Radevormwald

Postfach 12 20  
42461 Radevormwald

Deutschland

Tel +49(0)21 95 - 602-0  
Fax +49(0)21 95 - 602-399

[www.gira.de](http://www.gira.de)  
[info@gira.de](mailto:info@gira.de)