eNet master receiver for rail mounting
Art. No. : FMFK32REG

Operating instructions

1 Safety instructions

Electrical devices may only be mounted and connected by electrically skilled persons.

Serious injuries, fire or property damage possible. Please read and follow manual fully.

Danger of electric shock. During installation and cable routing, comply with the regulations and standards which apply for SELV circuits.

Fire hazard! Operation exclusively with the power supplies listed under accessories

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

2 Device components

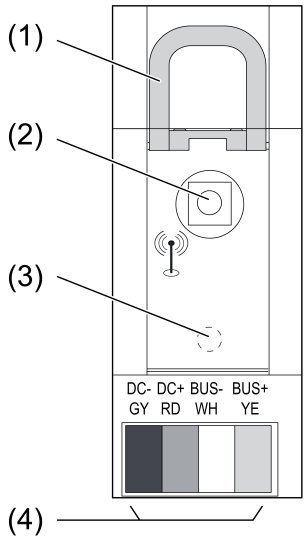

Figure 1: View

(1) Slide for retaining the antenna cable
(2) Connection for external 868-MHz antenna
(3) Status LED – translucent
On: Device is in operation
(4) Bus line connection

3 Function

Intended use

- Radio receiver for flush-mounted series modules
- Operation with power supply (see accessories)
- Mounting on DIN rail according to EN 60715 in distribution boxes

Product characteristics

- Integrated antenna
- External antenna can additionally be connected in case of disadvantageous installation conditions, e.g. metallic distribution boxes

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 the device

Observe the temperature range. Ensure adequate cooling.

- Mount device on DIN rail with the terminals facing downwards.facing downwards.

Connecting the device

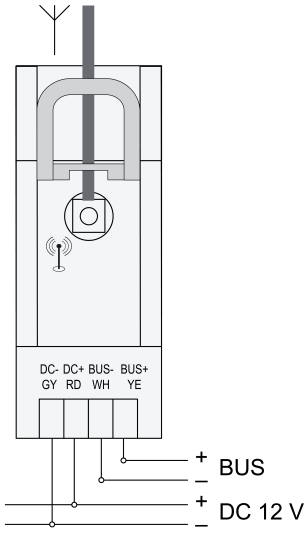

Figure 2: Connection diagram

As bus line, use e.g. J-Y(St)Y 2x2x0.8

- Connect the device according to the connection diagram (figure 2).

i Unfavourable installation conditions make radio reception more difficult. In the case of metallic sub-divisions etc., connect external antenna and position it on a metallic surface outside of the distribution board.

i Do not connect the radio receiver to an eNet server.

Connection assignment of bus line

Labelling / Colour	Connection
DC– / **GY** dark grey	Power supply, **–**
DC+ / **RD** red	Power supply, **+**
BUS– / **WH** white	Data cable, **–**
BUS+ / **YE** yellow	Data cable, **+**

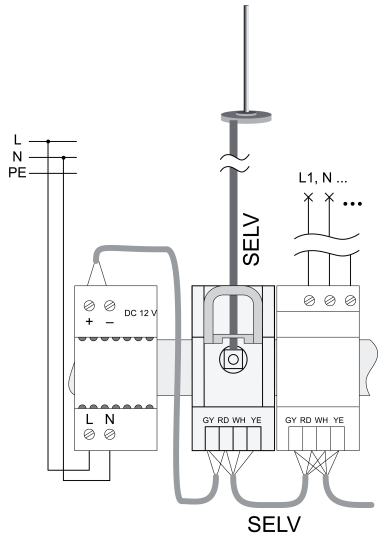

Figure 3: Connection example with power supply and RMD module

Connecting an external antenna

- Unlock the slide (1) by pulling the end of the bow forwards. Pull out slide.
- Place the antenna on a metallic surface outside of the distribution board and insert antenna cable into the distribution board. Ensure safe isolation from other voltages.
- Insert the antenna connector into the socket (2).
- Re-insert slide (1) until it engages noticeably.

i The slide fixes the antenna cable in place and ensures that the maximum installation height in the distribution board is maintained.

5 Appendix

5.1 Technical data

Rated voltage	DC 12 V SELV
Current consumption	typ. 15 mA
Ambient temperature	-5 ... +45 °C
Protection class	III
Fitting width	36 mm / 2 modules
RMD channels	
Number	max. 32
Bus connection	
Connection, Bus	device connection terminal
Cable length	max. 3 m
Cable type	J-Y(St)Y 2 x 2 x 0.8 mm
Test voltage cable	min. 2.5 kV
Radio	
Radio frequency	868.0 ... 868.6 MHz
Radio range	typ. 100 m
Transmission capacity	max. 20 mW
Receiver category	2

5.2 Accessories

Power supply 12 V, for rail mounting	Art. No. NT1220REGVDC
Radio antenna	Art. No. FMANT

5.3 Conformity

Albrecht Jung GmbH & Co. KG hereby declares that the radio system type Art. No. FMFK32REG

corresponds to the directive 2014/53/EU. You can find the full article number on the device. The complete text of the EU Declaration of Conformity is available under the Internet address: www.jung.de/ce

5.4 Warranty

The warranty follows about the specialty store in between the legal framework as provided for by law.

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