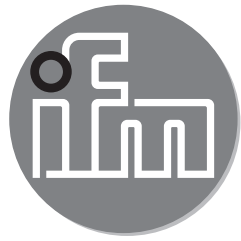


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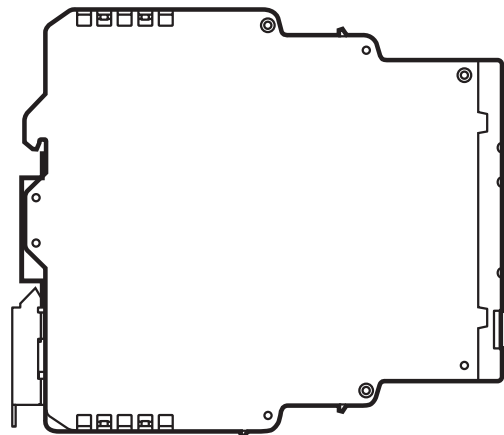
Operating instructions
AS-i SmartLine Repeater

AS interface

AC3225

UK

80236239/00 03/2016



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1 Preliminary note

This document is intended for specialists. These specialists are people who are qualified by their training and their experience to see risks and to avoid possible hazards that may be caused during operation, installation or maintenance of the device.

Read this document before use to familiarise yourself with operating conditions, installation and operation. Keep this document during the entire duration of use of the device.

1.1 Symbols used

▶ Instructions

→ Cross-reference



Important note

Non-compliance may result in malfunction or interference.



Information

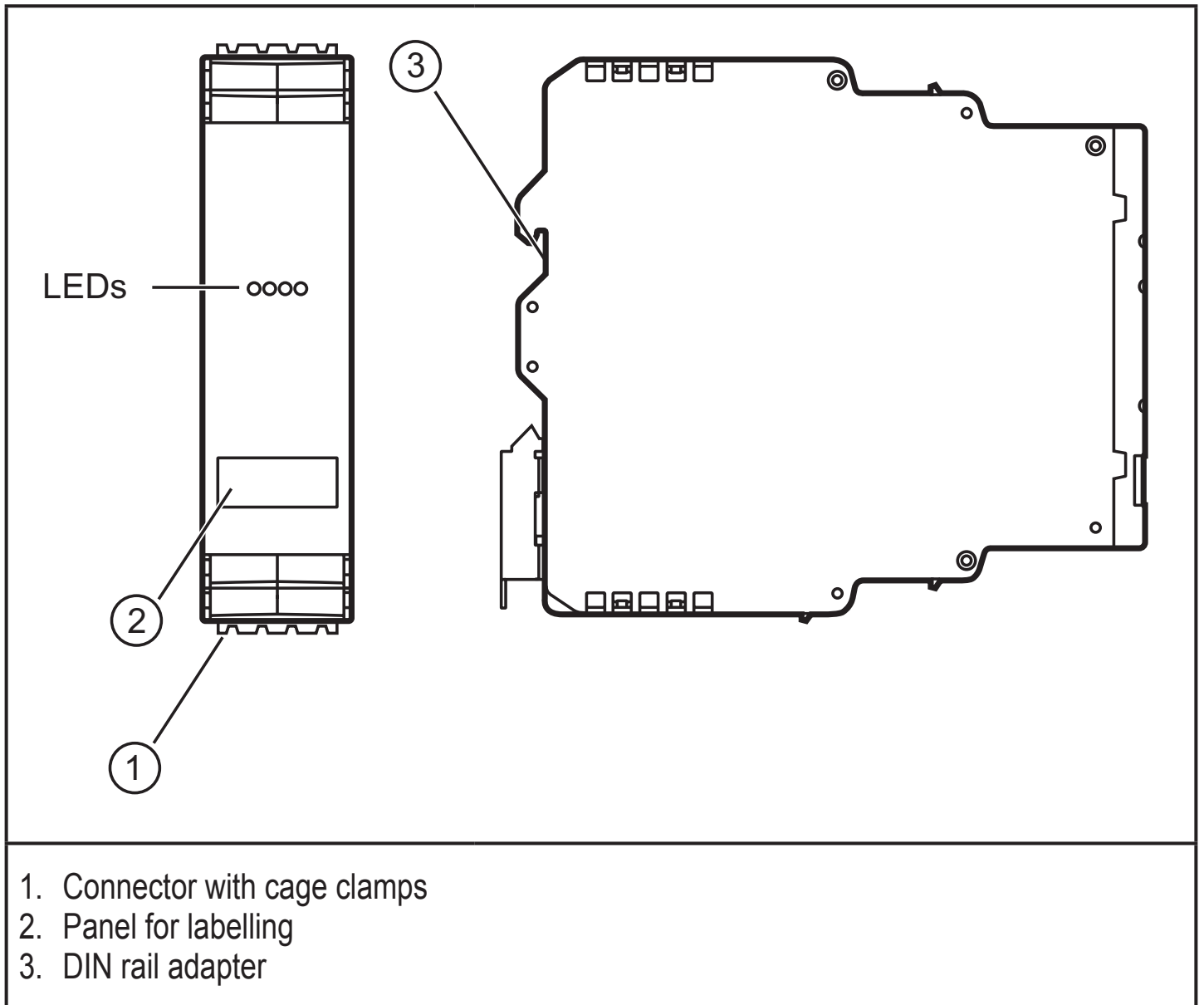
Supplementary note.

2 Functions and features

The AS-i repeater is used to extend the cable length of an AS-i network by another 100 m. The incoming data of the AS-i line 1 is processed and transmitted to the AS-i line 2. The data of the AS-i line 2 is also processed and transmitted to the AS-i line 1.

- Electrical separation of the incoming and outgoing AS-i network
- Additional AS-i power supply required
- Connection of the AS-i lines via Combicon connectors (accessories)

3 Operating and display elements



4 Electrical connection

- ▶ Connect the incoming AS-i line 1 to the terminals A+ and A- and the outgoing AS-i line 2 to the terminals A+ and A-.

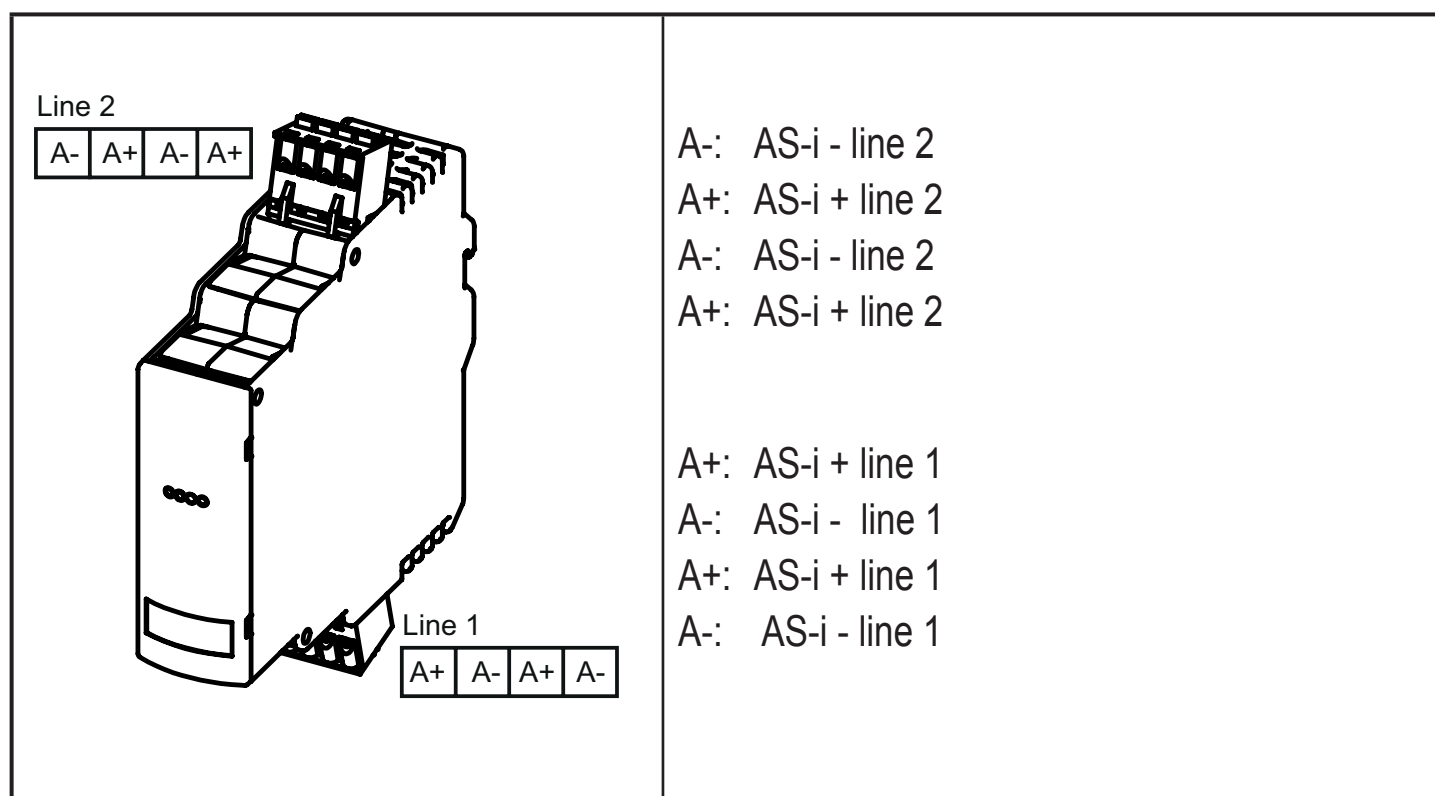


An additional AS-i power supply is required for the outgoing AS-i line.



Incoming and outgoing AS-i lines must not be connected to each other, otherwise the electrical separation of the repeater is eliminated.

4.1 Terminal connection



UK

5 Operation / LEDs

- LED 1 PWR green: AS-i voltage 1 OK
- LED 1 FAULT red: AS-i communication fault line 1
- LED 2 PWR green: AS-i voltage 2 OK
- LED 2 FAULT red: AS-i communication fault line 2

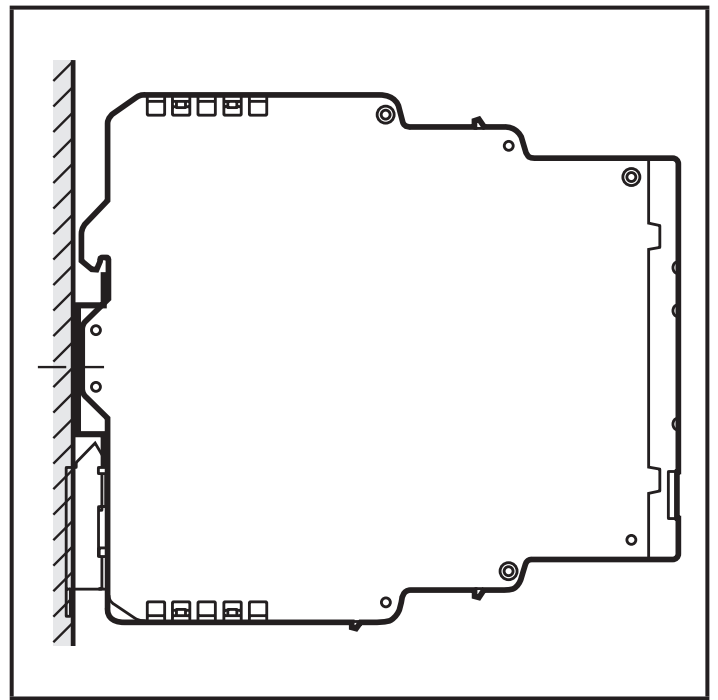
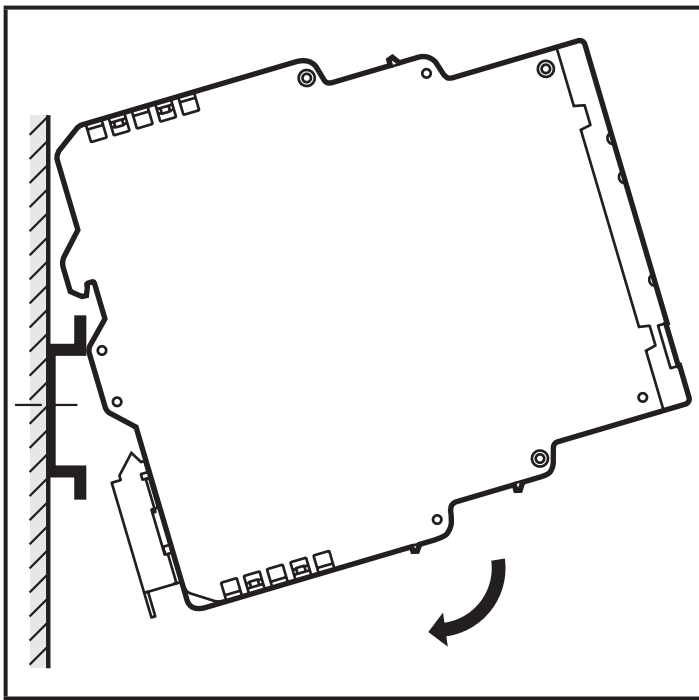
If no active module is connected in line 2 beyond the repeater:

- no slaves have been detected = LED 2 Fault lights red
- only slaves have been detected which are not active (not or incorrectly projected in the AS-i master) = LED 2 Fault red flashing

6 Installation

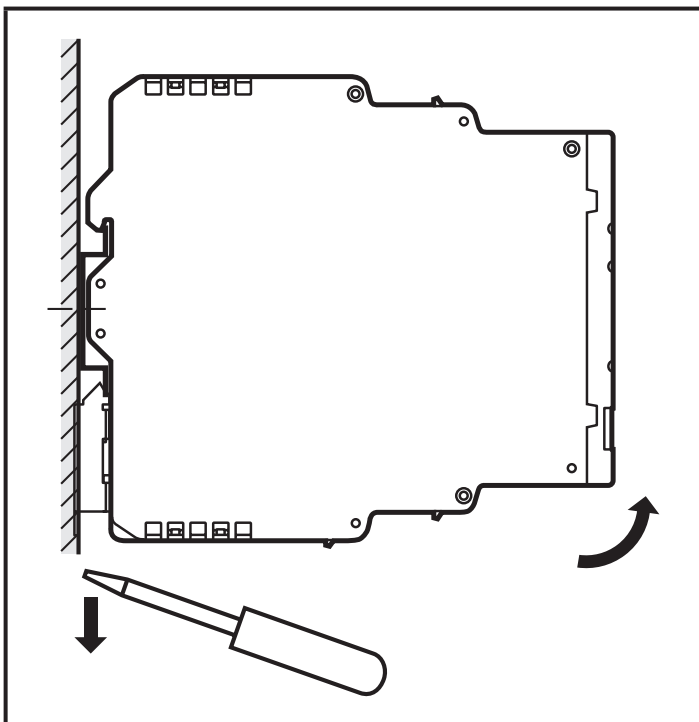
6.1 Installation of the device

- Install the device on a 35 mm DIN rail.



- ▶ Leave enough space between the unit and the top and bottom of the control cabinet to enable air circulation and to avoid excessive heating.
- ▶ Take into account the internal heating of all devices when mounting several devices side by side and observe the environmental conditions for every device.

6.2 Removal of the device



7 Technical data

Data sheets are available at:

www.ifm.com → Data sheet search → Article number

8 Approvals/standards

EC declarations of conformity, approvals etc. can be downloaded

at: www.ifm.com → Data sheet search → Article number → More information

9 Maintenance, repair, disposal

9.1 Servicing

The device is maintenance-free.

9.2 Cleaning of the housing surface

- ▶ Disconnect the device.
- ▶ Clean the device from dirt using a soft, chemically untreated and dry cloth.



Micro-fibre cloths without chemical additives are recommended.

9.3 Disposal

- ▶ Dispose of the device in accordance with the national environmental regulations.