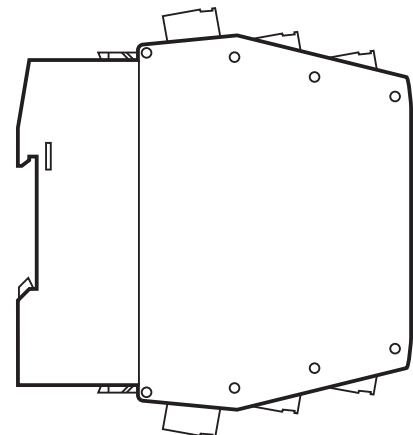


Operating instructions AS-i module

UK

AC2261

7390952/00 08/2017



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1 Preliminary note

Technical data, approvals, accessories and further information at www.ifm.com.

1.1 Key to the symbols

► Instructions



Important note

Non-compliance may result in malfunction or interference.

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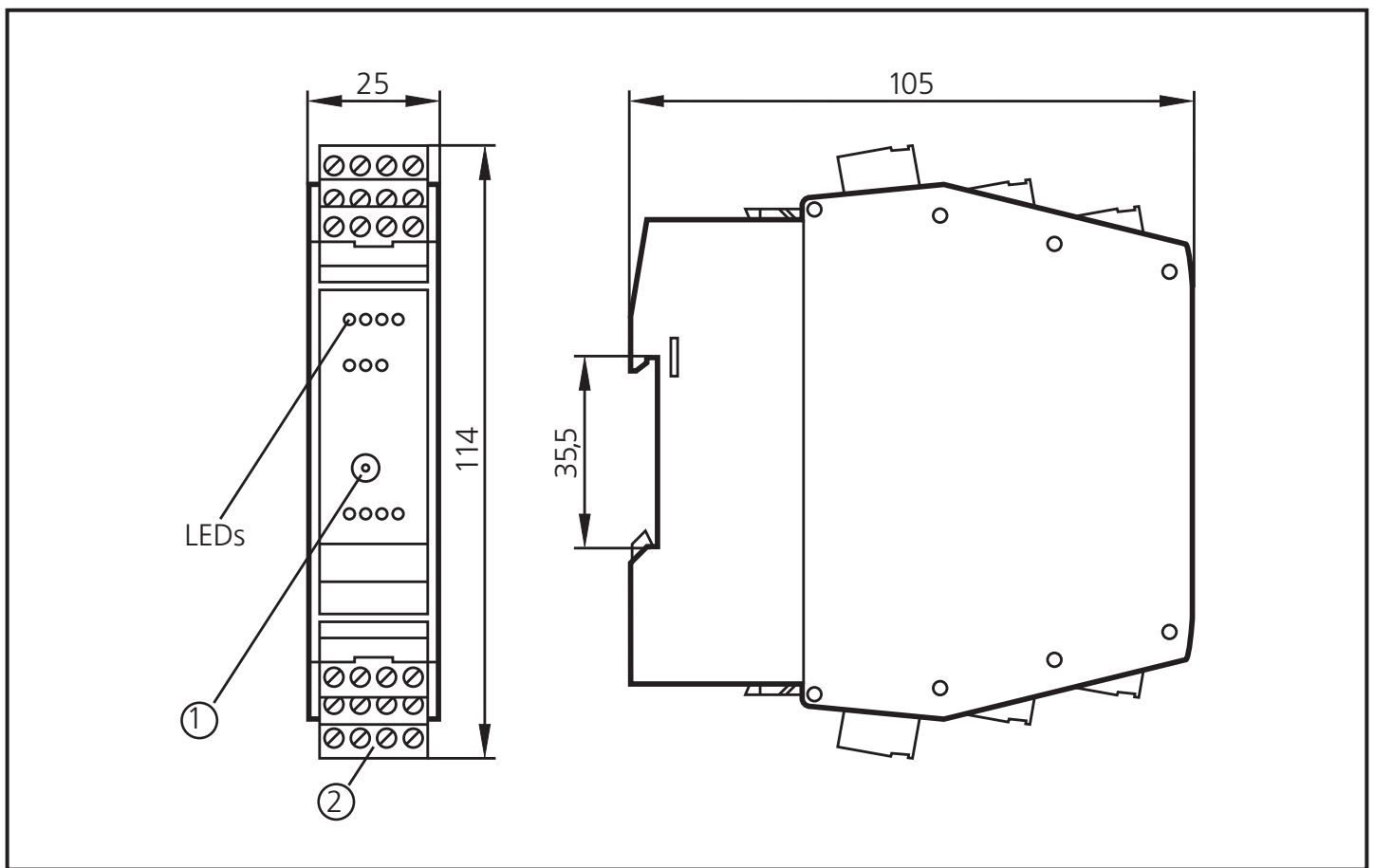
2 Safety instructions

- Read this document before setting up the product and keep it during the entire service life.
- The product must be suitable for the corresponding applications and environmental conditions without any restrictions.
- Only use the product for its intended purpose (→ Functions and features).
- If the operating instructions or the technical data are not adhered to, personal injury and/or damage to property may occur.
- The manufacturer assumes no liability or warranty for any consequences caused by tampering with the product or incorrect use by the operator.
- Installation, electrical connection, set-up, operation and maintenance of the unit must be carried out by qualified personnel authorised by the machine operator.
- Protect units and cables against damage.

3 Functions and features

- AS-i profile S-7.A.7
- maximum number of modules per master: 31 (62 with AS-i master 2.1)
- The slave can only be operated in conjunction with a version 3.0 master (master profile M4).

4 Operating and display elements



- 1: addressing plug
- 2: Combicon connector with screw terminals (option)

5 Installation



► Disconnect the system from power before installation.

- Mount the module onto a 35 mm rail or fasten it onto a suitable mounting surface.

6 Addressing

The address is set to 0 at the factory.

6.1 Addressing with the AC1154 addressing unit

When mounted and wired the module can be addressed with the addressing cable (E70213) via the integrated addressing interface.

If the slave is used in combination with a master of the new generation (version 2.1), it is possible to select an address between 1A and 31B with the AC1154 addressing unit.

7 Electrical connection



The unit must be connected by a qualified electrician.

The national and international regulations for the installation of electrical equipment must be adhered to.

► Disconnect power.

► Connect the sensors and actuators to the connection terminals.



► Do not connect the inputs I1...I4 und I+, I- to external potential.

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Wiring

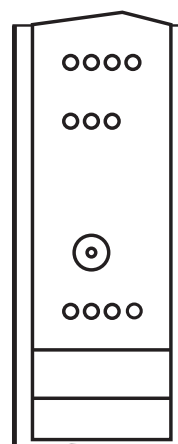
A+: AS-i +
 A-: AS-i -
 I+: Sensor supply +24 V
 I-: sensor supply 0 V
 E+: actuator supply +24 V
 E-: actuator supply 0 V
 I1 ... I4: switching input sensor 1 ... 4
 O1 ... O4: switching output actuator 1 ... 4
 O- : switching output actuator 0 V
 LEDs 1:
 switching status indication sensor inputs
 LEDs 2: AS-i, FAULT, AUX
 LEDs 3:
 switching status indication actuator outputs
 ADR: addressing interface

LEDs 1

LEDs 2

ADR

LEDs 3



8 Operation

Check whether the unit operates correctly. Display by LEDs:

LED 1 yellow LED lights:	input switched
LED 2 AS-i green lights:	AS-i voltage supply OK
LED 2 Fault red lights:	AS-i communication error, e.g. slave address 0
LED 2 Fault red flashes:	periphery fault, e.g. overload or short circuit of the output
LED 2 AUX green lights:	external voltage OK
LED 3 yellow lights:	output switched

9 Maintenance, repair and disposal

The operation of the unit is maintenance-free. After use dispose of the unit in an environmentally friendly way in accordance with the applicable national regulations.