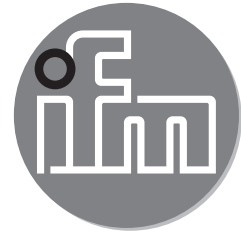


ifm electronic



Operating instructions
AS-i CompactModule M8

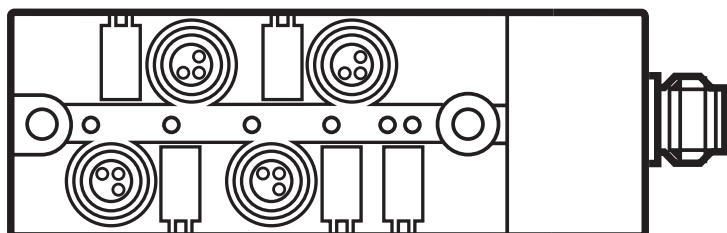
AS interface

AC2482

AC2484

UK

7390939/00 01/2013



1 Preliminary note

- An instruction is indicated by "▶".
Example: ▶ Mount the unit as shown.



Important note

Non-compliance can result in malfunction or interference.

2 Functions and features

- Maximum number of modules per master: 62
- AS-Interface version 3.0, downward compatible
- AC2482: 2 inputs / 2 outputs / AS-i profile S-B.A.E / extended addressing mode: yes
- AC2484: 4 inputs / AS-i profile S-0.A.E / extended addressing mode: yes

3 Installation



- ▶ Disconnect the system from power before installation.

- ▶ For installation choose a flat mounting surface.

The entire bottom of the module must lie flat on the mounting surface.

- ▶ Fix the module onto the mounting surface using M4 screws and washers.

4 Electrical connection



The unit must be connected by a qualified electrician.


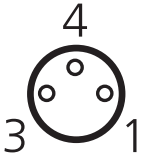
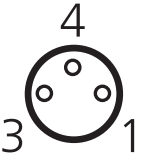
The national and international regulations for the installation of electrical equipment must be adhered to.

- ▶ Disconnect the installation from power and connect the unit.

To ensure the protection rating:

- ▶ Connect the plugs of the sensors to the M8 sockets.
- ▶ Tighten firmly, recommended tightening torque 0.3...0.5 Nm.
- ▶ Cover the sockets that are not in use with the enclosed protective caps.
- ▶ Tighten firmly, recommended tightening torque 0.3...0.5 Nm.

4.1 Pin connection

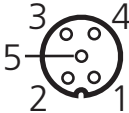
Socket M12 1: AS-i + 3: AS-i -			
Input M8 1: sensor supply + 3: sensor supply - 4: data input		Output M8 3: internal voltage E- 4: switching output	

UK

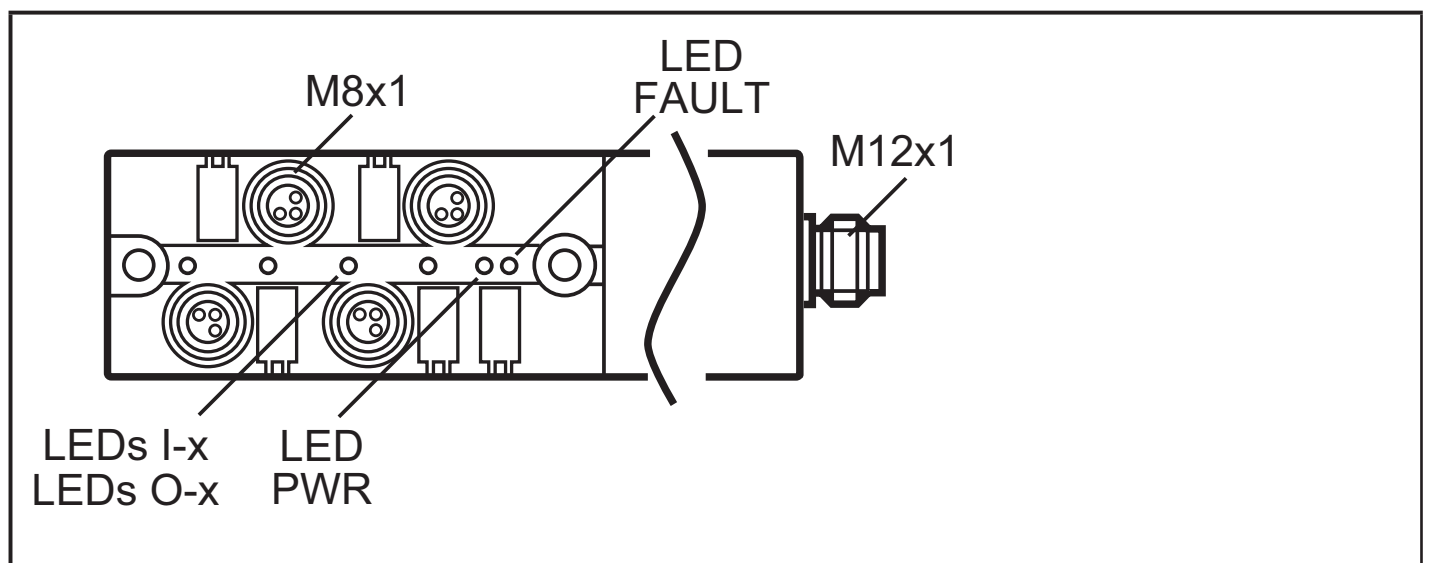
Parameter bit	Designation	Description
P1	Periphery fault	1 peripheral fault indication active 0 peripheral fault indication not active

5 Addressing

- Addressing the unit via the M12 connector; the address is set to 0 at the factory.

Addressing unit AC1154 Wiring of the addressing socket		1: SFC-i + / 2: TTL → / 3: SFC-i - 4: TTL ← / 5: + 5 V
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6 Operating and display elements



7 Operation

LED I-x / O-x yellow:	input / output switched
LED PWR green:	AS-i voltage supply OK
LED FAULT red is lit:	AS-i communication error, slave does not participate in the "normal" exchange of data, e.g. slave address 0.
LED FAULT red flashes:	Periphery fault, e.g. sensor supply overloaded or shorted, is signalled to the AS-i master (version 2.1 or higher).

8 Technical data

Technical data and further information at www.ifm.com.