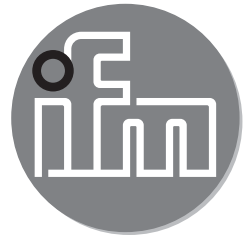


ifm electronic



Installation instructions  
FC insulation displacement connector

**AS interface**

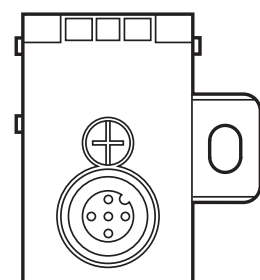
**UK**

**E70485**

**E70486**

**E70487**

7390886 / 00 10 / 2011



# 1 Preliminary note

- ▶ Instructions
- > Reaction, result



Information  
Supplementary note.

## 2 Safety instructions Safety instructions

- Please read the product description prior to set-up of the unit. Ensure that the product is suitable for your application without any restrictions.
- The unit conforms to the relevant regulations and EC directives.
- Improper or non-intended use may lead to malfunctions of the unit or to unwanted effects in your application.
- That is why installation, electrical connection, set-up, operation and maintenance of the unit must only be carried out by qualified personnel authorised by the machine operator.

## 3 Functions and features

### E70487

The FC insulation displacement connector carries the AS-i voltage and the external 24 V supply from the flat cable to the M12 socket.

- Current rating 4 A.

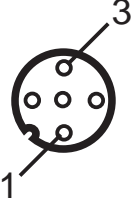
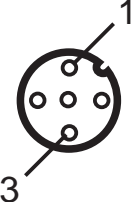
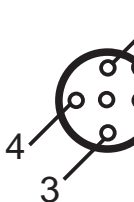
### E70485 / E70486

The FC insulation displacement connector carries the AS-i voltage from the flat cable to the M12 socket.

- Current rating 4 A.



The connectors E70485 and 70486 differ in the orientation of the M12 socket (keyway).

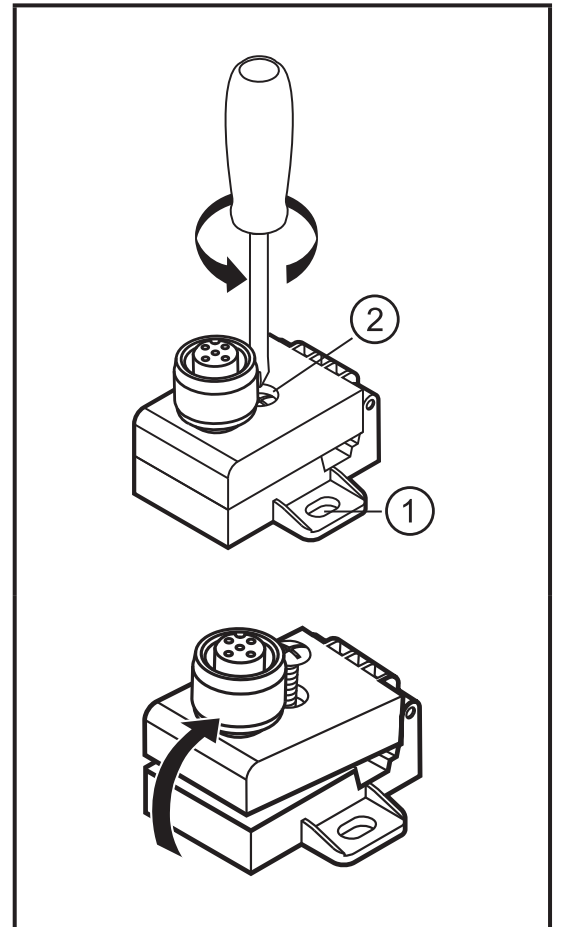
	<p><b>E70485</b> 1: AS-i + 3: AS-i -</p>		<p><b>E70486</b> 1: AS-i + 3: AS-i -</p>		<p><b>E70487</b> 1: AS-i + 2: AUX - 3: AS-i - 4: AUX +</p>
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## 4 Installation

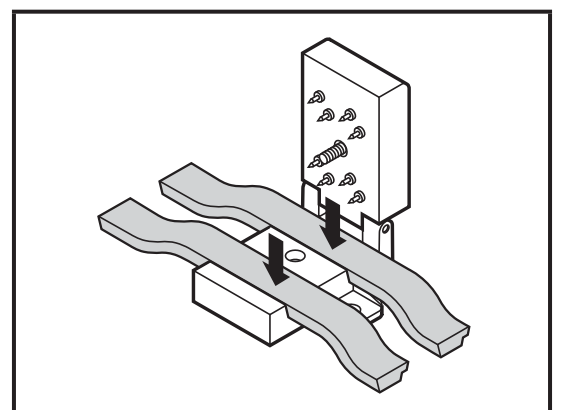
- ▶ Disconnect power.
- ▶ Choose a flat mounting surface and fix the device on it (mounting hole 1). The mounting screw is not supplied.
- ▶ Loosen screw 2 (included) and open the device.

- 1: Mounting hole
- 2: Screw (tightening torque 1.65 Nm)

UK



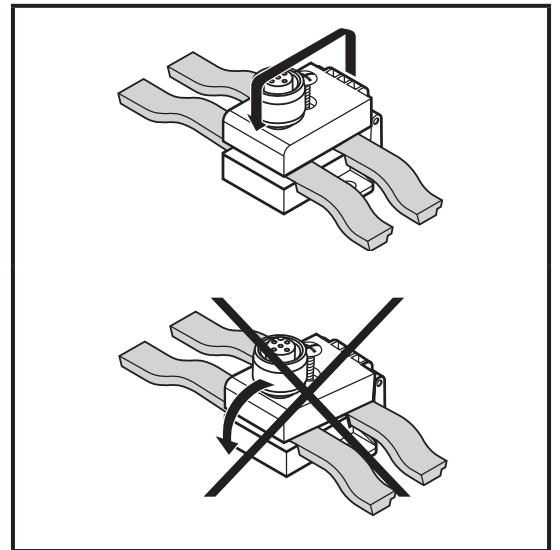
- ▶ Insert the yellow AS-i flat cable for the AS-i voltage in the flat cable duct marked yellow.
- ▶ Insert the black cable for the external auxiliary voltage in the other flat cable duct (only E70487).
- ▶ Place the cable correctly in the profile slot.



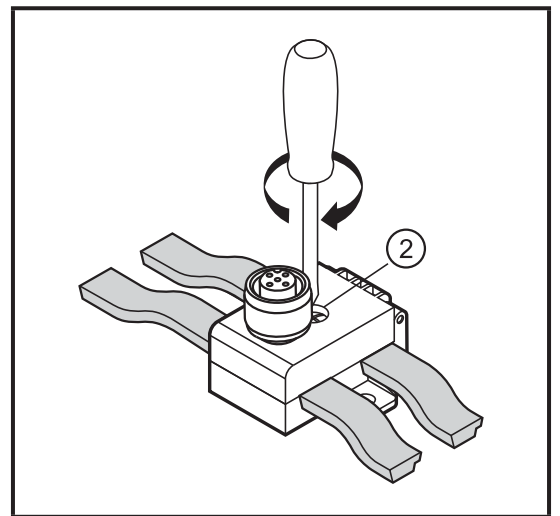
- ▶ Close upper part.



First lift the upper part, then place it parallel to the lower part so that the upper part is not jammed. This ensures that the contacts pierce the flat cable vertically.



- ▶ Press the upper part against the lower part and firmly tighten screw 2. Tightening torque 1.65 Nm.



- ▶ Seal open flat cable ends using the flat cable seal (E70413, to be ordered separately) to ensure the protection rating.

Technical data and further information at  
[www.ifm.com](http://www.ifm.com) → Select your country → data sheet search