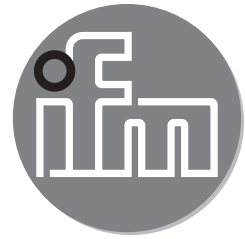


ifm electronic



Installation instructions  
Inclination sensor JN

**efector 410<sup>®</sup>**

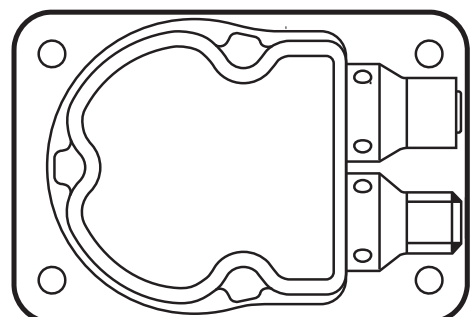
**JN2300**

**JN2301**

**UK**

05/2016

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# 1 Functions and features

The 2-axis inclination sensor with SAE J1939 interface enables angle levelling and position detection of mobile machines.

Typical applications are, for example, the position detection of access platforms, levelling of mobile cranes or set-up of mobile machines.

2-axis inclination sensors with a measuring range of:

- JN2300:  $\pm 180^\circ$  / 0...360°
- JN2301:  $\pm 45^\circ$

## 2 Symbols used

► Instructions



Important note

Non-compliance can result in malfunction or interference.

## 3 Installation



► Disconnect the system from power before installation.

### 3.1 Fastening

► Fasten the device using 4 M5 screws on a flat surface.  
Screw material: steel or stainless steel.

### 3.2 Mounting surface



The housing must not be exposed to any torsional forces or mechanical stress.

► Use compensating elements if there is no flat mounting surface available.

## 4 Electrical connection

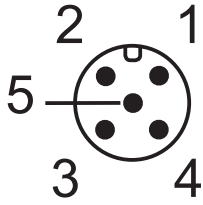
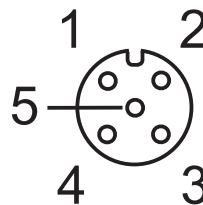


The unit must be connected by a qualified electrician.

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

► Disconnect the installation from power and connect the unit.

The inclination sensors are fitted with two round 5-pole M12 connectors (A-coded).

	1: CAN_SHLD shield 2: CAN_V+ supply voltage 24 V DC 3: CAN_GND GND 4: CAN_H H bus cable 5: CAN_L L bus cable
M12 connector CAN-In	
	1: CAN_SHLD shield 2: CAN_V+ supply voltage 24 V DC 3: CAN_GND GND 4: CAN_H H bus cable 5: CAN_L L bus cable
M12 socket CAN-Out	

UK

## 5 Technical data

Detailed manuals, technical data and further information at [www.ifm.com](http://www.ifm.com).

## 6 Maintenance, repair and disposal

The unit is maintenance-free.

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

## 7 Approvals/standards

The CE declarations of conformity and approvals can be found at [www.ifm.com](http://www.ifm.com).