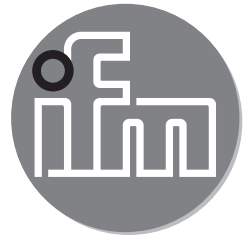


ifm electronic



Installation Instructions
Magnetic cylinder sensor

efector120[®]

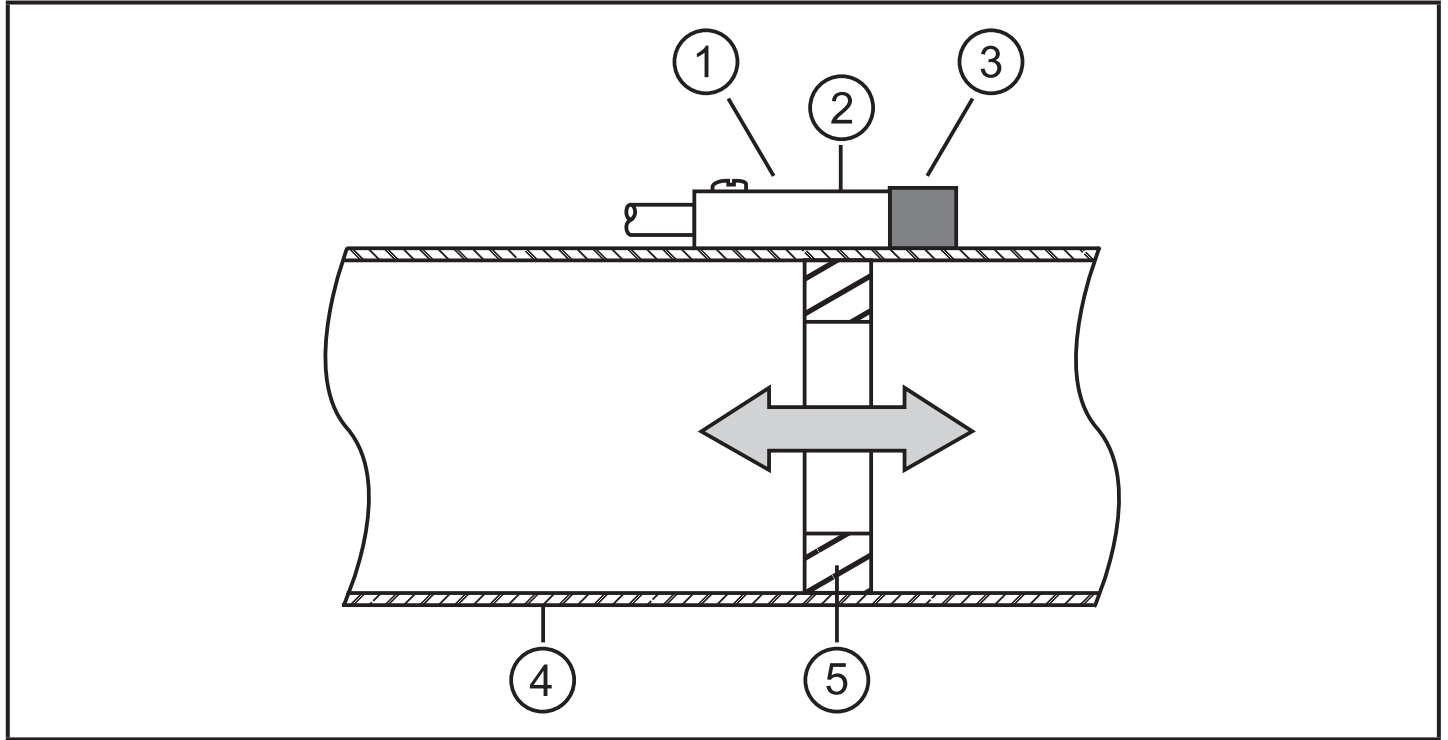
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Function and features

The cylinder sensor signals the position of the piston in a cylinder. It detects a ring magnet in the piston of the cylinder when it passes the sensor and signals this by means of an output signal.

- Can be used on all commercial cylinders made of nonmagnetizable material.



- 1: Cylinder sensor
- 2: Sensing face
- 3: Rubber placeholder
- 4: Cylinder wall
- 5: Cylinder piston with ring magnet

Installation

Fix the sensor on the cylinder. Position the sensing face so that it is about in the place where you want to detect the position of the piston. You can find a selection of mounting adapters at www.ifm.com/accessory.

Electrical connection



Disconnect power before connecting the sensor. Connection strictly to the indications on the type label. Core colours for units with cable connection: BN = brown, BU = blue, BK = black, WH = white.

Adjustment / operation

1. Bring the piston into the detection position.
2. Precisely align the sensor by means of the LED indication: The LED is lit when the output is switched.
3. Tighten the clamp screw to secure it in the slot.
4. Mark the sensor position by inserting a rubber placeholder.



If the cylinder is mounted in the immediate vicinity of magnetisable components, the switching characteristics of the sensor may change.