



Operating instructions  
Hydraulic cylinder sensor

GB

**MFH / M9H**

11400612 / 00 05 / 2021

# 1 Preliminary note

You will find instructions, technical data, approvals and further information using the QR code on the unit / packaging or at [www.ifm.com](http://www.ifm.com).

## 1.1 Symbols used

- ✓ Requirement
- ▶ Instructions
- ▷ Reaction, result
- [...] Designation of keys, buttons or indications
- Cross-reference



Important note

Non-compliance may result in malfunction or interference.



Information

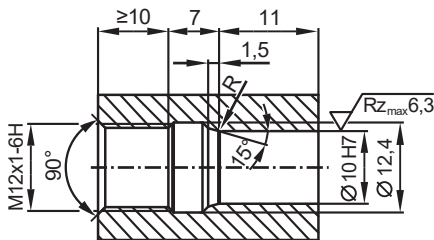
Supplementary note

## 2 Intended use

The unit detects ferromagnetic metals (FE metals) without contact and indicates their presence by a switching signal.

## 3 Mounting

### 3.1 MFH



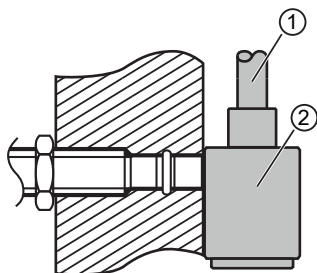
The unit can be adjusted to the piston rod via the insertion depth.

## ATTENTION

During set-up, do not screw in the unit too deeply to avoid mechanical damage to the unit, piston rod and cylinder.

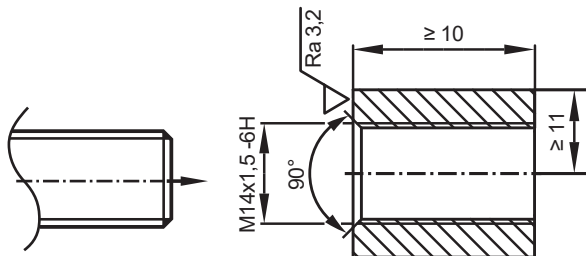


For mounting with a fixed end stop, use units from the M9H series.



- 1: Piston rod  
2: Piston

### 3.2 M9H



- ▶ Screw the unit into an M14 thread.
- ▶ Tighten with < 25 Nm.

## 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 power.
- ▶ Connect the unit as specified in the data sheet / type label.