$C\epsilon$
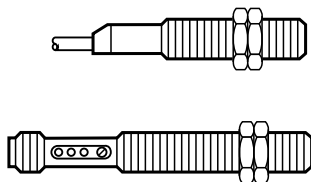
Installation instructions
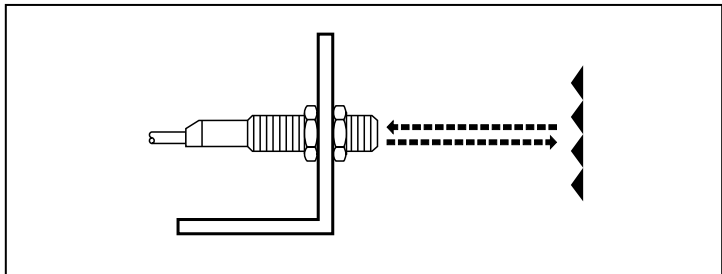Retro-reflective sensor

OF

1 Functions and features

In conjunction with a prismatic reflector or reflective tape the retro-reflective sensor detects objects and materials without contact and indicates their presence by a switched signal.

Range: OFR...: 2 m; OFP... (retro-reflective sensor with polarisation filter): 800 mm; (values referred to prismatic reflector with Ø 80 mm).

2 Installation

Place prismatic reflector / reflective tape in desired position. Align the photocell and fasten to a mounting bracket with the lock nuts provided.

Maximum range is only achieved with precise alignment.

3 Electrical connection

Disconnect power before connecting the sensor.
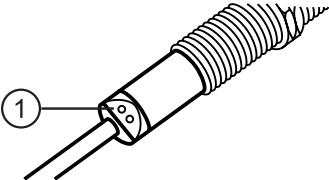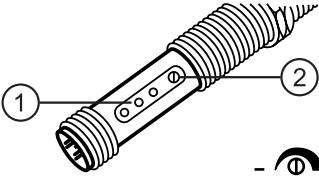Connection strictly to the indications on the type label.
Core colours: BN = brown, BU = blue, BK = black

Programming of the output function by wiring according to type label.
Load of the function check output (fc output): max. 10 mA

4 Operation

Check the safe functioning of the retro-reflective sensor. Display by LEDs and (for sensors with plug and socket connection) by the function-check output.

sensor with cable	sensor with plug

1: LEDs
2: setting potentiometer sensitivity

Sensor with cable

LED green	supply voltage O.K.
LED yellow	output switched flashing, 3 Hz: output short-circuited flashing, 1 Hz: internal malfunction (output is not switched)

Sensor with plug

LED green	supply voltage O.K.
LED yellow	output switched
LED red	error in object detection, e.g. maladjustment, soiling of the lenses
LED yellow + red	flashing alternately, 3 Hz: output short-circuited flashing alternately, 1 Hz: internal malfunction (output is not switched)

5 Maintenance

Keep the lens of the sensor free from soiling.

Technical data and further information at www.ifm.com