ifm electronic

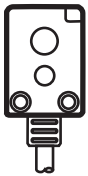
CE

Operating instructions
Retro-reflective sensor

efector200

O7P2xx

UK



O7P200 / 01 11 / 2010

1 Preliminary note

1.1 Symbols used

▶ Instruction

> Reaction, result

→ Cross-reference

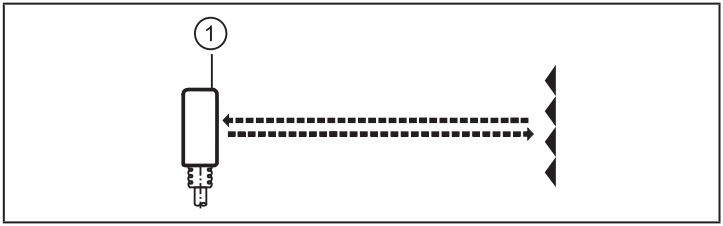
Important note
Non-compliance can result in malfunctions or interference.

2 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 switching signal.

Range: → packaging or data sheet.

3 Installation



1: LED

▶ Fit the prismatic reflector or the reflective tape behind the object to be detected.

▶ Align the retro-reflective sensor to it and secure it to a bracket.

Maximum range only with accurate alignment.

4 Electrical connection

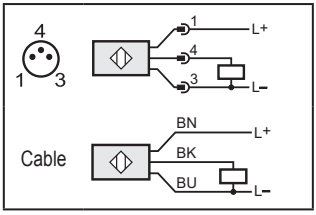
The unit must be connected by a qualified electrician.

- ▶ The national and international regulations for the installation of electrical equipment must be adhered to.
- ▶ Ensure voltage supply to EN 50178, SELV, PELV.

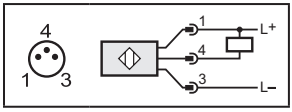
▶ Disconnect power.

▶ Connect the unit as follows:

DC PNP



DC NPN



Core colours:
BN (brown), BU (blue), BK (black).

5 Operation

▶ Check whether the unit operates correctly.

- Dark-on switching units (O7P-DPKG): The output is switched / the yellow LED is lit when an object is detected.
- Light-on switching units (O7P-HPKG): The output is switched / the yellow LED is lit when no object is detected.

6 Maintenance, repair and disposal

▶ Keep the front pane of the sensor free from soiling.

▶ For cleaning do not use any solvents or cleaning agents which could damage the plastic material.

Technical data and further information at www.ifm.com