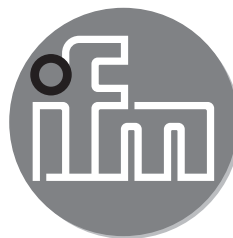


ifm electronic



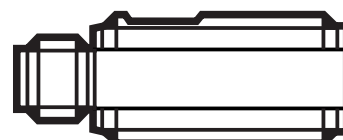
Operating instructions
Retro-reflective sensor

efector200[®]

OGP1xx

UK

OGP100 / 00 11 / 2009



1 Preliminary note

1.1 Symbols used

▶ Instruction

> Reaction, result

→ Cross-reference



Important note

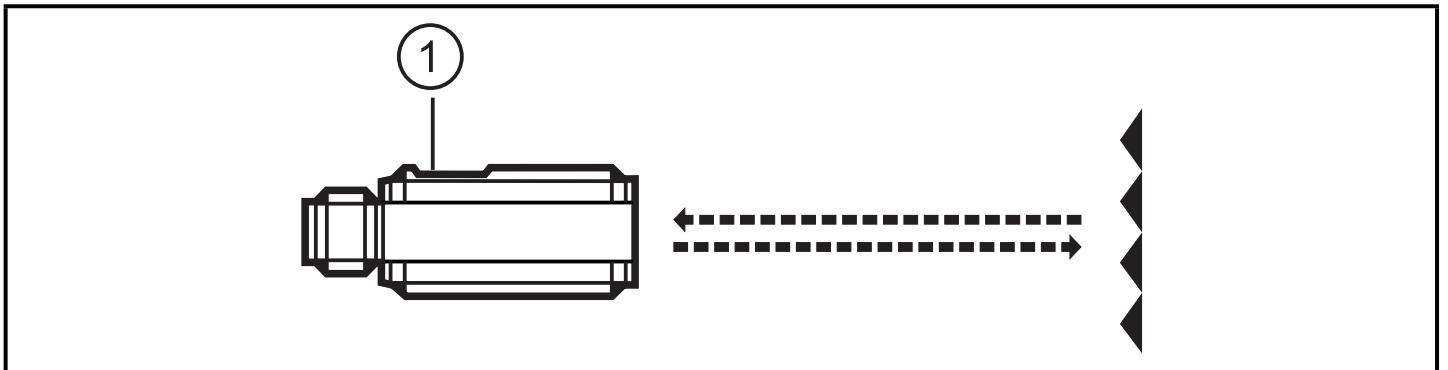
Non-compliance can result in malfunctions or interference.

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.

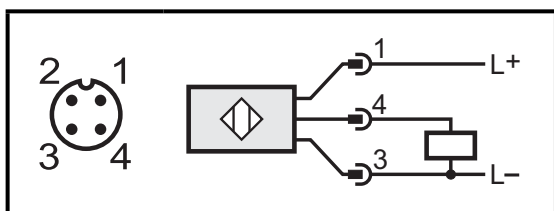
4 Electrical connection



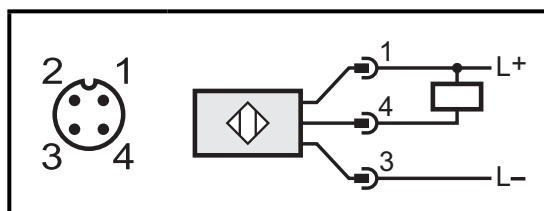
The unit must be connected by a qualified electrician.

- ▶ The national and international regulations for the installation of electrical equipment must be adhered to.
- ▶ Ensure a voltage supply according to EN 50178, SELV, PELV.
- ▶ Disconnect power.
- ▶ Connect the unit as follows:

DC PNP



DC NPN



UK

5 Operation

- ▶ Check whether the unit operates correctly.
- Dark-on switching units: the output is switched / the yellow LED is lit when an object is detected.
- Light-on switching units: 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 → Select your country → Data sheet direct: