ifm electronic

CE

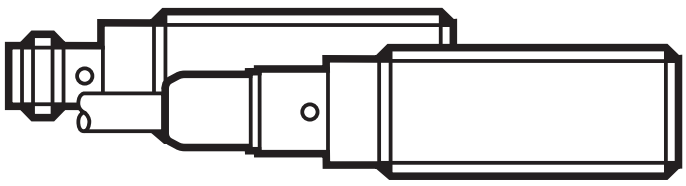
Operating instructions
Retro-reflective sensor

efector200

**OGP3xx**

UK

704459 / 01 01 / 2009



# 1 Preliminary note

## 1.1 Symbols used

▶ Instruction

> Reaction, result

→ Cross-reference

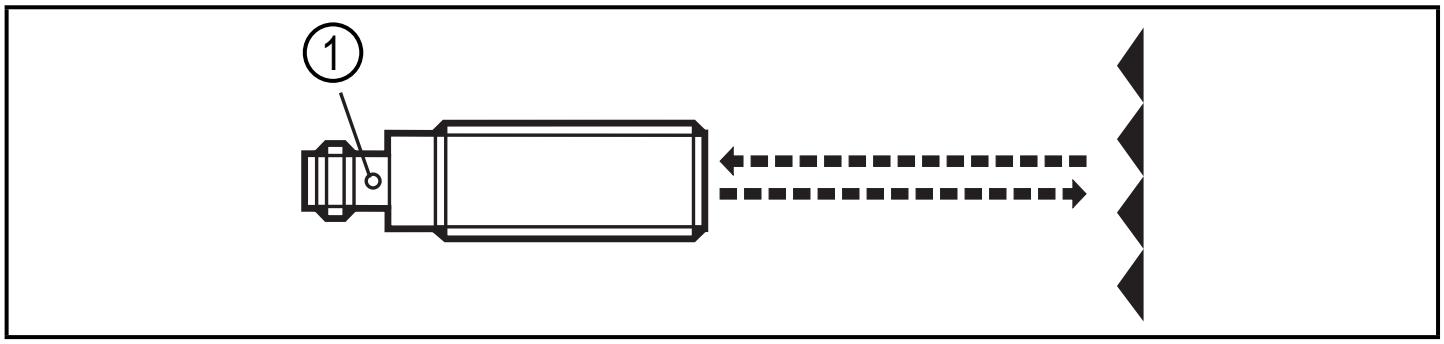
Important note
Non-compliance can result in malfunctions or interference.

# 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: (→ type label).

# 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

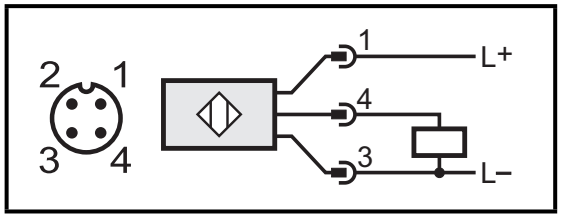
The unit must be connected by a qualified electrician.

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

▶ Disconnect power.

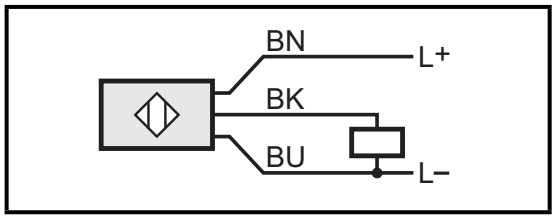
▶ Connect the unit as follows:

**Connector**




pin 1 = L+
(pin 2 = not connected)
pin 3 = L-
pin 4 = load

**Cable**




BN = L+
BU = L-
BK = load

Core colours: BN = brown, BU = blue, BK = black

# 5 Operation

▶ Check whether the unit operates correctly.

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

# 9 Maintenance, repair and disposal

▶ Keep the front lens 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: