

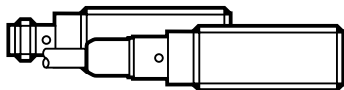


Operating instructions  
Retro-reflective sensor

UK

**OGP3xx**

11477259 / 00 01 / 2009



# 1 Preliminary note

## 1.1 Symbols used

▶ Instruction

> Reaction, result

→ Cross-reference



Important note

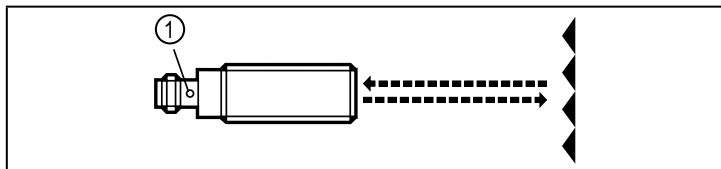
Non-compliance can result in malfunctions or interference.

## 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.

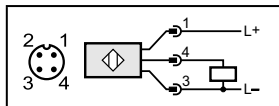
## 4 Electrical connection



The unit must be connected by a qualified electrician.

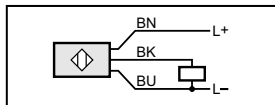
- ▶ The national and international regulations for the installation of electrical equipment must be adhered to.
- ▶ Ensure voltage supply to EN 50178.
- ▶ Disconnect power.
- ▶ Connect the unit as follows:

### 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.

## 6 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](http://www.ifm.com) → Select your country → Data sheet direct: