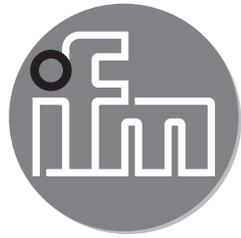


ifm electronic



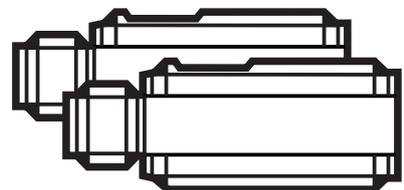
Operating instructions  
Through-beam sensor

**efector200**

**OGE1xx / OGS1xx**

**UK**

OGE100 / 00 11 / 2009



# 1 Preliminary note

## 1.1 Symbols used

▶ Instruction

> Reaction, result

→ Cross-reference



Important note

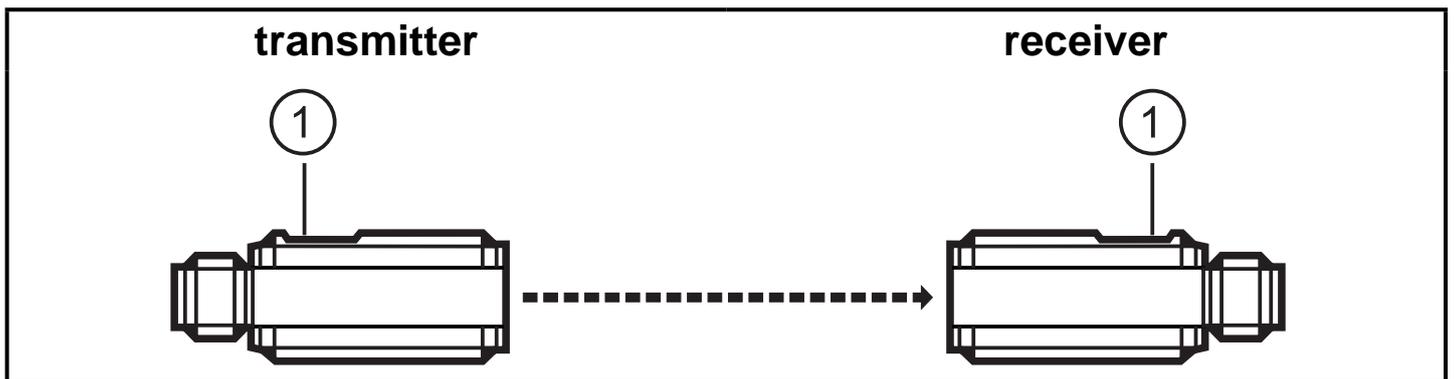
Non-compliance can result in malfunctions or interference.

## 2 Functions and features

The through-beam sensor detects objects and materials without contact and indicates their presence by a switching signal.

Range: → packaging or data sheet.

## 3 Installation



1: LED

▶ Secure the receiver to a bracket.

▶ Align the transmitter to the receiver and secure it in the same way.

Maximum range only with accurate alignment.

## 4 Electrical connection



The unit must be connected by a qualified electrician.

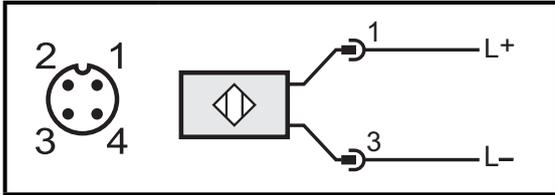
▶ The national and international regulations for the installation of electrical equipment must be adhered to.

▶ Ensure a voltage supply according to EN 50178, SELV, PELV.

▶ Disconnect power.

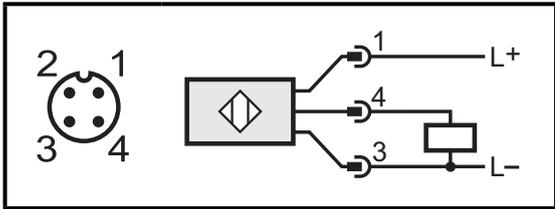
▶ Connect the unit as follows:

## Transmitter DC

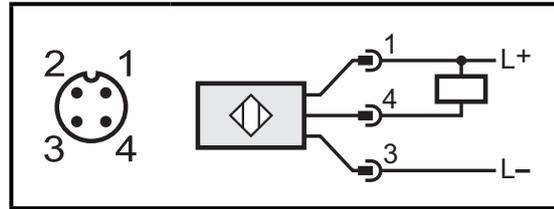


## Receiver

### DC PNP



### DC NPN



UK

## 5 Operation

- ▶ Check whether the unit operates correctly.
- Transmitter: the green LED is lit when the sensor is ready for operation.
- Receiver:
  - 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 panes 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: