ifm electronic

CE

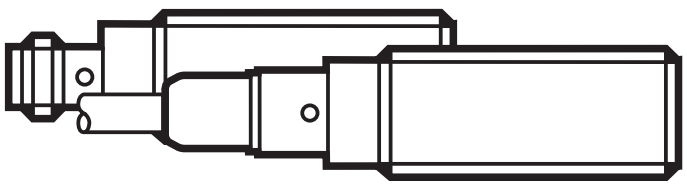
Operating instructions
Through-beam sensor

efector200

OGE3xx / OGS3xx

UK

704461 / 01 01 / 2009



1 Preliminary note

1.1 Symbols used

▶ Instruction

> Reaction, result

→ Cross-reference

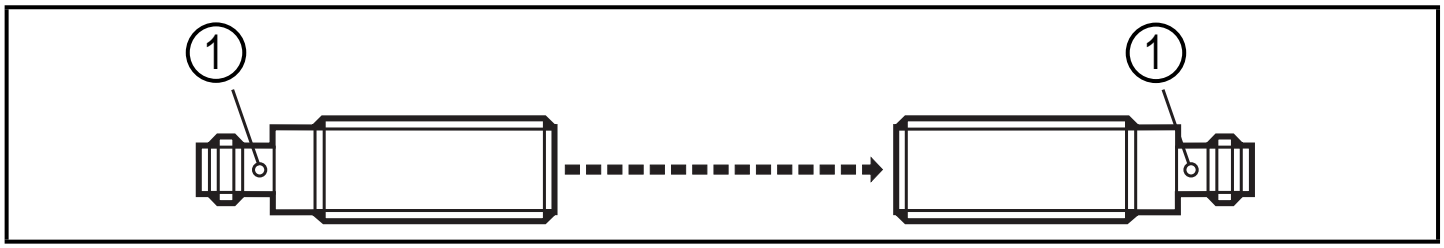
Important note
Non-compliance can result in malfunctions or interference.

2 Functions and features

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

Range: (→ type label).

3 Installation



1: LED

▶ Install the receiver (OGE3xx) and secure it to a bracket.

▶ Align the transmitter (OGS3xx) 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.

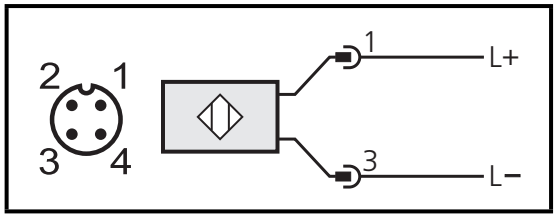
▶ The national and international regulations for the installation of electrical equipment must be adhered to.

▶ Ensure voltage supply to EN 50178.

▶ Disconnect power.

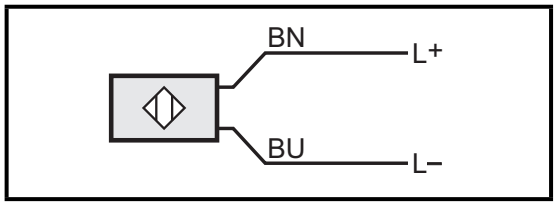
▶ Connect the unit as follows:

Transmitter (OGS3xx) connector



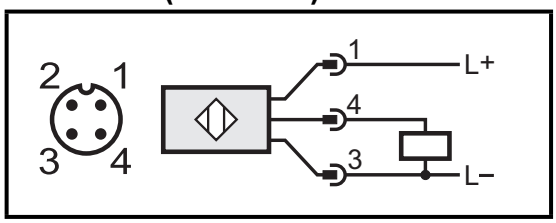
pin 1 = L+
(pin 2: not connected)
pin 3 = L-
(pin 4: not connected)

Transmitter (OGS3xx) cable *



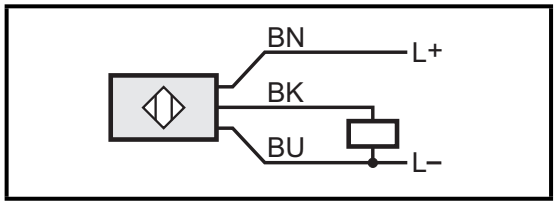
BN = L+
BU = L-

Receiver (OGE3xx) connector



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

Receiver (OGE3xx) cable *



BN = L+
BU = L-
BK = load

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

5 Operation

▶ Check whether the unit operates correctly.

- Transmitter (OGS3xx): The green LED is lit when the sensor is ready for operation.
- Receiver:
  Dark-on switching units (OGE-DPKG): the output is switched / the yellow LED is lit when an object is detected.
  Light-on switching units (OGE-HPKG): the output is switched / the yellow LED is lit when no object is detected.

6 Maintenance, repair and disposal

- ▶ Keep the front lenses 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: