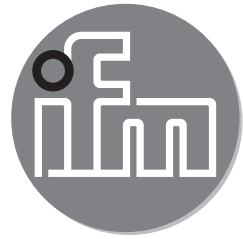


ifm electronic



Operating instructions  
Through-beam sensor

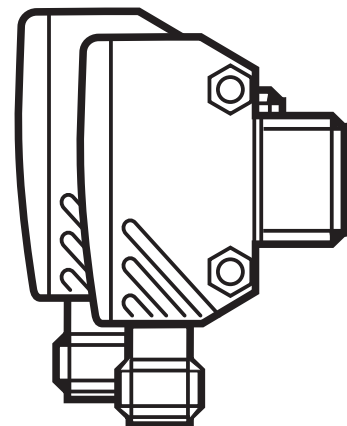
**efector200<sup>®</sup>**

**OGE28x**

**OGS28x**

**UK**

704337 / 00 11 / 2007

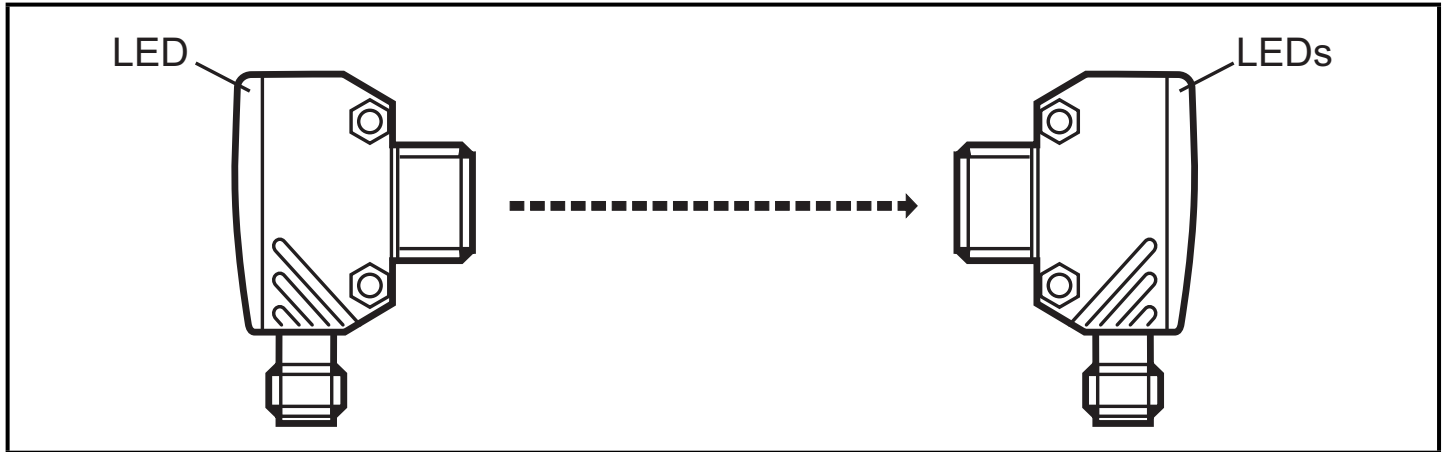


# 1 Functions and features

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

For the range see the type label.

## 2 Installation



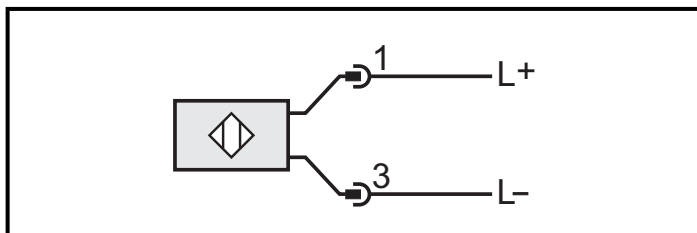
- ▶ Install the receiver (OGE28x) and secure it to a bracket.
- ▶ Align the transmitter (OGS28x) to the receiver and secure it also to a bracket.
- > Maximum range only with accurate alignment.

## 3 Electrical connection



- ▶ Disconnect power.
- ▶ Connect the unit as follows.

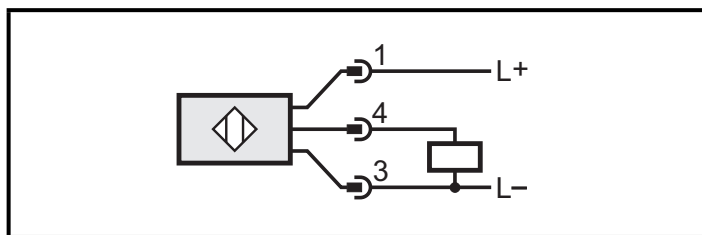
### 3.1 Transmitter



pin 1 = L+ (10...30 V DC)  
pin 3 = L-  
(pin 4 = not connected)  
(pin 2 = not connected)

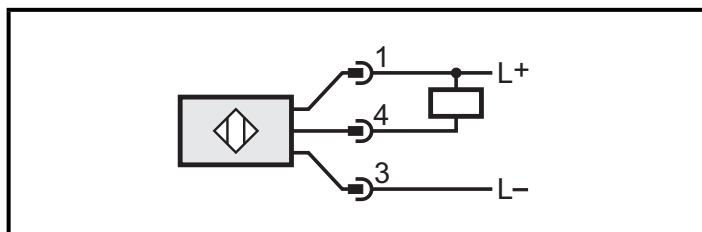
## 3 Receiver

### PNP



pin 1 = L+ (10...30 V DC)  
pin 3 = L-  
pin 4 = load (PNP, 200 mA)  
(pin 2 = not connected)

### NPN



pin 1 = L+ (10...30 V DC)  
pin 3 = L-  
pin 4 = load (NPN, 200 mA)  
(pin 2 = not connected)

UK

## 4 Operation

Check whether the sensor operates correctly.

- Receiver (OGE28x): The yellow LED is lit when the switching output is switched. The green LED is lit when the sensor is ready for operation.
- Transmitter (OGS28x): The green LED is lit when the sensor is ready for operation.

## 5 Maintenance

- Keep the lens of the sensor free from soiling.
- For cleaning do not use any solvents or cleaning agents which could damage the plastic material.