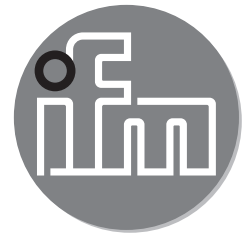


ifm electronic



Operating instructions  
Through-beam sensor

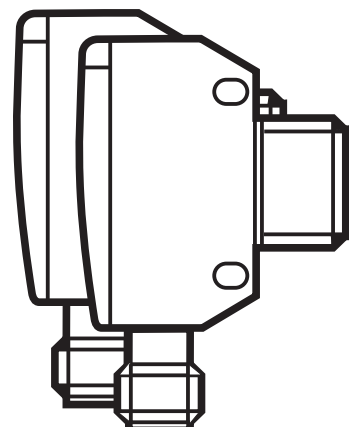
**efector200<sup>®</sup>**

**OGE38x**

**OGS38x**

UK

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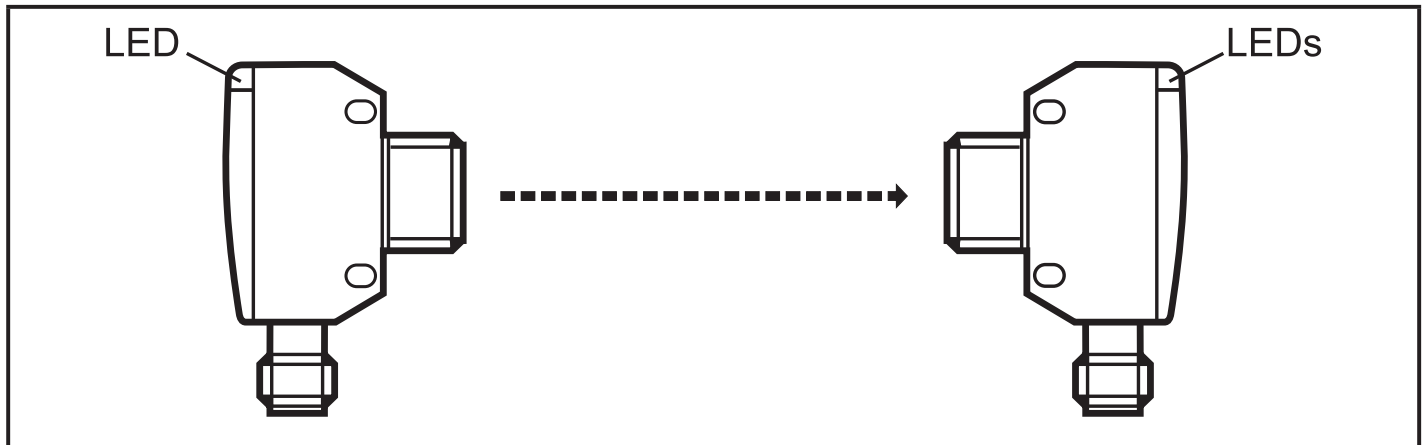


# 1 Functions and features

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

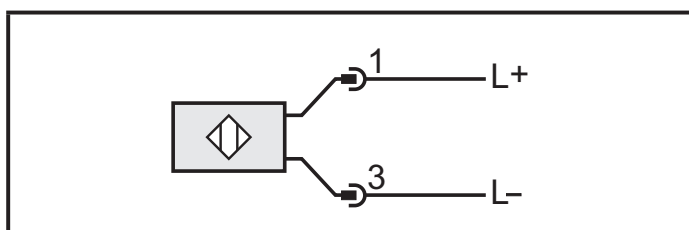


- ▶ Install the receiver (OGE38x) and secure it to a bracket.
- ▶ Align the transmitter (OGS38x) to the receiver and secure it also to a bracket.
- > Maximum range only with accurate alignment.

## 3 Electrical connection

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

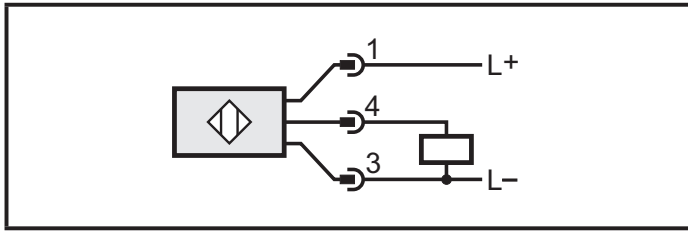
### 3.1 Transmitter



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

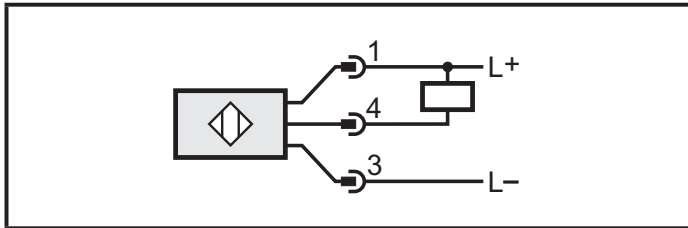
## 3 Receiver

### 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 (OGE38x): The yellow LED is lit when the switching output is switched. The green LED is lit when the sensor is ready for operation.
- Transmitter (OGS38x): 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.