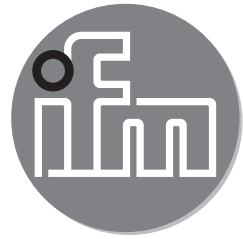


ifm electronic



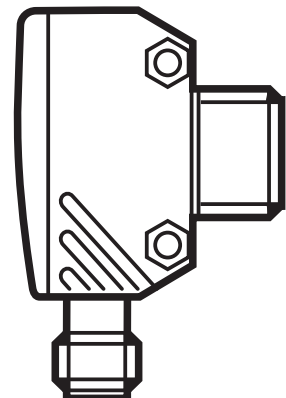
Operating instructions  
Retro-reflective sensor

**efector200<sup>®</sup>**

**OGP28x**

**UK**

704138 / 00 11 / 2007

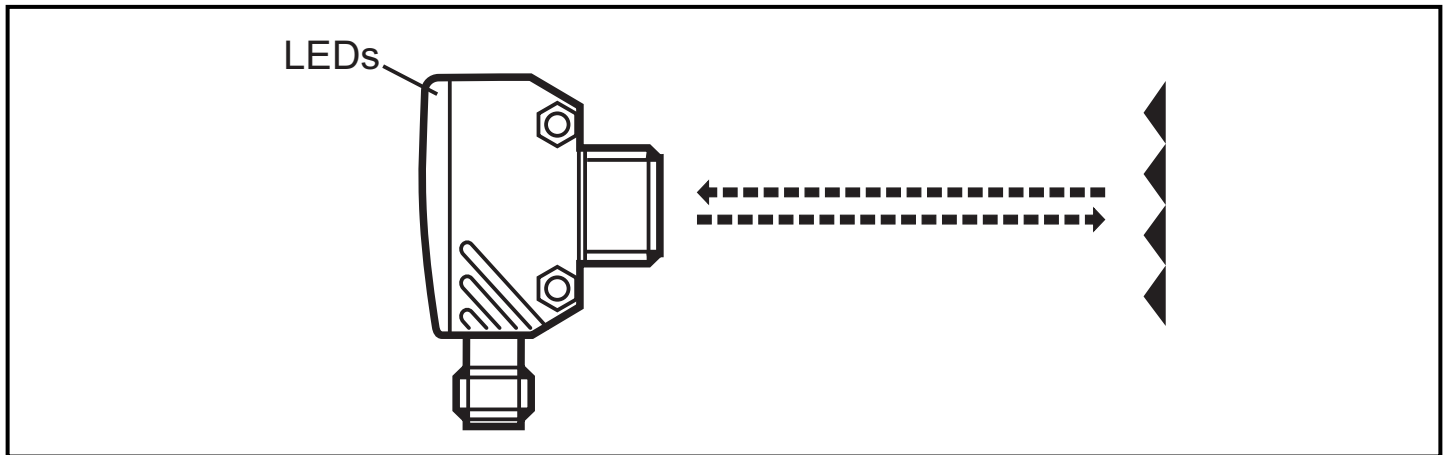


# 1 Functions and features

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.

For the range see the type label.

## 2 Installation



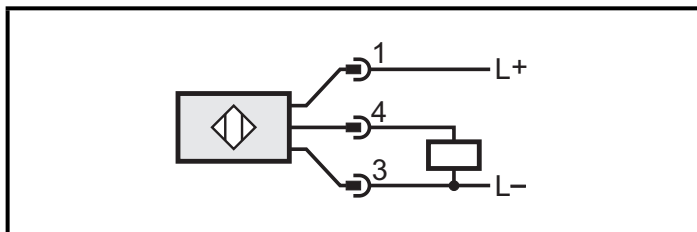
- Fit the prismatic reflector or the reflective tape behind the object to be detected. Align the retro-reflective sensor to it and secure it to a bracket.
- > Maximum range only with accurate alignment.

## 3 Electrical connection



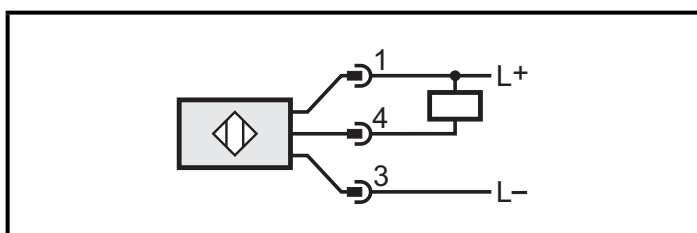
- Disconnect power.
- Connect the unit as follows.

### 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)

## 4 Operation

Check whether the sensor operates correctly.

- The yellow LED is lit when the switching output is switched.
- 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.