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# **Model Number**

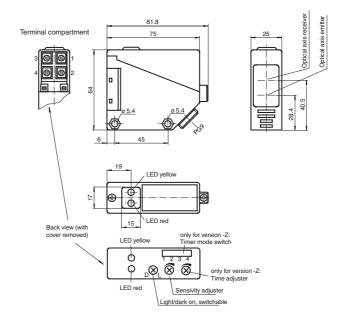
## RL39-8-2000/32/40a/82a/116

Diffuse mode sensor with terminal compartment

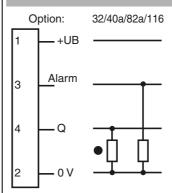
## **Features**

- Infrared light
- Light/dark ON, switchable
- Degree of protection IP67

# **Dimensions**



# **Electrical connection**



- O = Light on
- = Dark on

PEPPERL+FUCHS

Standard conformity Product standard

CCC approval

Approvals

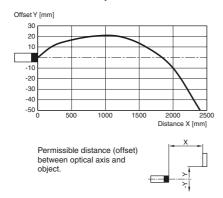
Approvals and certificates

EN 60947-5-2:2007 IEC 60947-5-2:2007

CCC approval / marking not required for products rated ≤36 V

## **Curves/Diagrams**

#### Characteristic response curve



# **Additional Information**

### Conventional use:

The reflex light scanner contains the emitter and receiver in a single housing. The light from transmitter is beamed back from the recorded object is evaluated by the receiver. The detection range depend on the object colour. With dark or very small objects the detection range reduces.

## **Mounting instructions:**

The sensor can be fastened over the through-holes directly or with the included mounting bracket.

The base surface must be flat to avoid distorting the housing during mounting. It is advisable to secure the bolts and screws with washers so that the sensor does not become misaligned.

## Instructions for adjustment:

Adjust the sensor on the background. If the yellow LED illuminates, the detection range needs to be reduced with the detection range adjuster, until the yellow LED goes off.

## Object detection check:

Position the object into the light beam. Position light spot on object. If the object is detected, the yellow LED illuminated. If it does not light up, further to adjust the detection range with the potentiometer, until the yellow LED lights up.

The red LED flashes if reception deteriorates (e.g. soiled lenses or by maladjustment) and when falling short of the stability control.

## **lustration:**

We recommend that you clean the optical interfaces and check the plug-in connections and screw connections at regular intervals.