











Model Number

RLG28-55-7462

Retroreflective area sensor with 4-pin, M12 x 1 connector

Features

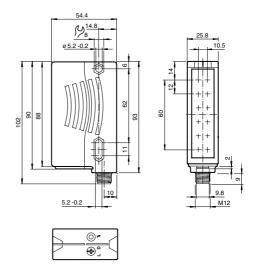
- Retro-reflective area sensor with 6 light beams in standard photoelectricsensor enclosure
- Connection compatibly replaces single beam photoelectric sensor
- Reliable detection of the front edge of the object irrespective of its shape and position
- Constant object detection from 12 mm within the entire detection area
- Reliable detection of all surfaces irrespective of the object texture
- Switches when contrast difference 10%
- Bright, highly visible transmitter beams, guarantee convenient alignment of the sensor

Product information

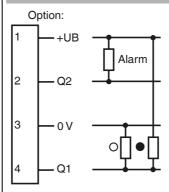
The RLG28 retro-reflective area sensor contains several transmitters and receivers in one housing and with a reflector positioned opposite forms a 60 mm detection area over a sensing range of 4 m.

When the light beams are interrupted by an object, the switching function is triggered. The smallest detectable object size is 12 mm. The RLG28 switches at a 10% contrast difference with a response time of 1 ms.

Dimensions



Electrical connection



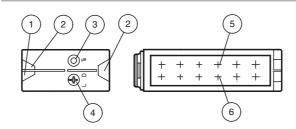
- O = Light on
- = Dark on

Pinout

ance with EN 60947-5-2

(brown) (white) (blue) (black)

Indicators/operating means



1	Operating display	green
2	Signal display	yellow
3	TEACH-IN button	
4	Light/dark switch	
5	Emitter	

Housing width 25.8 mm 88 mm Housing height Housing depth 54.3 mm Degree of protection IP67 Connection 4-pin, M12 x 1 connector Material Housing Plastic ABS Optical face Plastic pane Mass 100 g Approvals and certificates

Accessories

OMH-05

Mounting aid for round steel ø 12 mm or sheet 1.5 mm ... 3 mm

Mounting aid for round steel ø 12 mm or sheet 1.5 mm ... 3 mm

OMH-21

Mounting bracket

OMH-RLK29-HW

Mounting bracket for rear wall mounting

OMH-K01

dove tail mounting clamp

REF-H85-2

Reflector, rectangular 84.5 mm x 84.5 mm, mounting holes

V1-G-2M-PVC

Female cordset, M12, 4-pin, PVC cable

V1-G-2M-PUR

Female cordset, M12, 4-pin, PUR cable

V1-W-2M-PUR

Female cordset, M12, 4-pin, PUR cable

REF-A80

Reflector, rectangular 80 mm x 50 mm, self-adhesive

OFR-100/100

Reflective tape 100 mm x 100 mm

Additional accessories can be found in the Internet.

PEPPERL+FUCHS

To ensure optimal detection, the entire 60 mm detection field must appear on the reflector.

Ensure that the red light transmitted by the sensor fully illuminates the reflector.

E87056, cULus Listed, class 2 power supply, type rating 1

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

UL approval

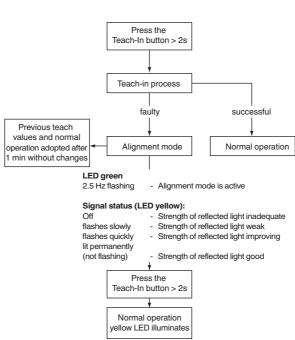
Notes Mounting:

CCC approval

To check this illumination, look at the reflector from over the top of the sensor housing.



Teach-in:



More stringent adjustment requirements: Ensure that the device is correctly aligned in the near range of 0.2 m ... 0.6 m.

Object detection after successful Teach-in

The target should be large enough so that the reflector is always completely covered in one dimension!

