

transmitter in lower lens, Receiver in upper lens



Product characteristics  
Diffuse reflection sensor

Cube

Connector

Background suppression

Range 100mm (Range referred to white paper 200 x 200 mm, 90 % remission)

Electrical data

Electrical design

DC NPN

Operating voltage [V]

10...30 DC

Current consumption [mA]

30

Type of light

Red light 624 nm

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

light-on mode

Voltage drop [V]

< 2.5

Current rating [mA]

200

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

1000

Range

Range [mm]

Range [mm]

100 (Range referred to white paper 200 x 200 mm, 90 % remission)

- Object white (90 % remission)

100

- Object grey (18 % remission)

100

- Object black (6 % remission)

100

Light spot diameter [mm]

7 ( at maximum range )

Environment

Ambient temperature [°C]

-25...60

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

MTTF [Years]

366

Mechanical data

Housing materials

Zinc Alloy; PEI

Lens material

PEI

Weight [kg]

0.06

Displays / operating elements

Output status indication LED

yellow

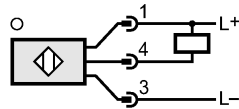
# OGH282 - Diffuse reflection sensor - eclass: 27270904 / 27-27-09-04

Operation	LED	green
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Electrical connection		
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Connection		M12 connector
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### Wiring



Accessories		
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Accessories (included)		1 lock nut
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Remarks		
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Remarks		cULus - Class 2 source required
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Pack quantity	[piece]	1
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