

Receiver in lower lens, Transmitter in upper lens



Product characteristics
Diffuse reflection sensor

Rectangular, plastics

Connector

Range 3500mm

adjustable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...30 DC

Current consumption [mA]

< 80

Type of light

Infrared light 880 nm

Life expectancy typ. [h]

50000 (25 °C)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

light-on / dark-on programmable

Voltage drop

- Switching output [V]

< 2

- Function check output [V]

< 2

Current rating

- Switching output [mA]

100

- Function check output [mA]

100

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

500

Range

Range [mm]

3500

Reaction times

Response time [ms]

< 1

Environment

Ambient temperature [°C]

-25...40

Protection

IP 67

Tests / approvals

EMC

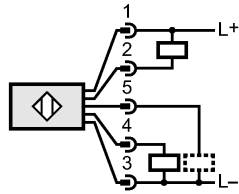
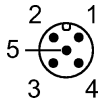
IEC 1000-4-2/3/4/5/6

Mechanical data

OM5004 - Diffuse reflection sensor - eclass: 27270903 / 27-27-09-03

| | | |
|-------------------------------|---------------------------------------------------------------------------------|--|
| Housing materials | ABS (glass fiber reinforced); connector housing: aluminium transparent anodised | |
| Lens material | PMMA | |
| Weight [kg] | 0.185 | |
| Displays / operating elements | | |
| Output status indication LED | yellow | |
| Operation LED | green | |
| Function display LED | Red | |
| Electrical connection | | |
| Connection | M12 connector | |

Wiring



5: function check

Remarks

| | | |
|---------------|---------|---|
| Pack quantity | [piece] | 1 |
|---------------|---------|---|