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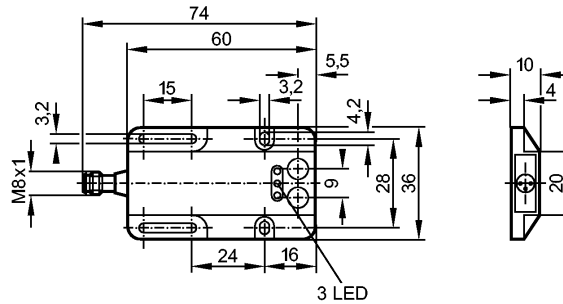
**efector200**

OW1005



OWP-FPKG/AS

Photoelectric sensors



transmitter in lower lens



Product characteristics

Retro-reflective sensor

Rectangular, plastics

Quick disconnect

Polarization filter

Sensing range 0.1...1.5m (Prismatic reflector Ø 80 (E20005))

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

35 (36 V)

Type of light

red light 660 nm

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

light-on / dark-on programmable

Voltage drop [V]

< 2.5

Current rating [mA]

200

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

250

Monitoring range

Sensing range [m]

0.1...1.5 (Prismatic reflector Ø 80 (E20005))

Range referred to prismatic reflector[m]

Ø80mm 0.1...1.5

50x50mm 0.07...1

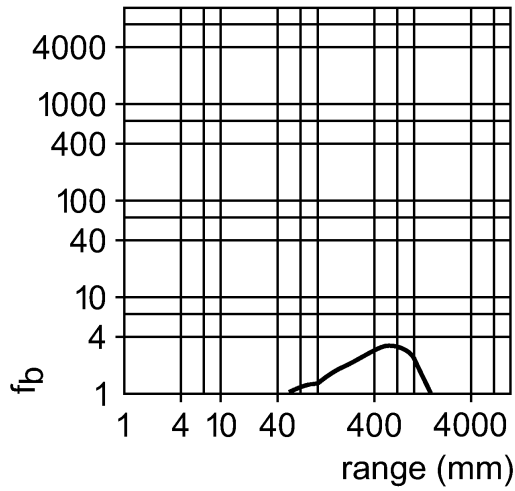
31x46mm 0.05...0.8

Light spot diameter [mm]

120 ( at maximum range )

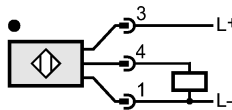
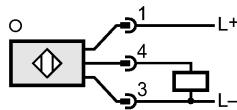
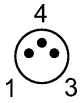
Excess gain graphs

**OW1005 - Retro-reflective sensor - eclass: 27270902 / 27-27-09-02**



Environment	
Ambient temperature [°C]	-25...60
Protection	IP 65
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	858
Mechanical data	
Housing materials	ABS (glass fiber reinforced)
Lens material	PMMA
Weight [kg]	0.031
Displays / operating elements	
Output status indication LED	yellow
Power LED	green
Function display LED	red
Electrical connection	
Connection	M8 connector

**Wiring**



**Remarks**

Pack quantity [piece]	1
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