

Product characteristics

Retro-reflective sensor

Threaded type

M30 x 1.5

Terminals

Polarization filter

Sensing range 0.15...2m (Prismatic reflector Ø 80 (E20005))

adjustable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...55 DC

Current consumption [mA]

25 (24 V)

Type of light

red light 660 nm

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

light-on / dark-on programmable

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

65

Monitoring range

Sensing range [m]

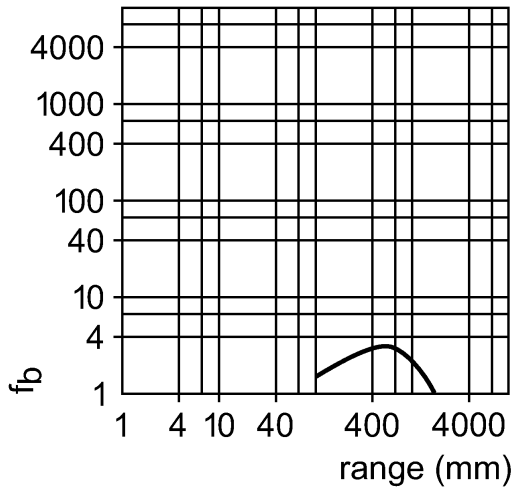
0.15...2 (Prismatic reflector Ø 80 (E20005))

Light spot diameter [mm]

200 ( at maximum range )

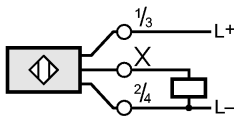
Excess gain graphs

**OI5007 - 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
MTTF	[Years]	661
Mechanical data		
Housing materials		PBT; modified PPO
Lens material		PMMA
Weight	[kg]	0.122
Displays / operating elements		
Output status indication	LED	yellow
Electrical connection		
Connection		terminals up to 1.5 mm <sup>2</sup> ; cable diameter 7...13 mm, cable gland M20 x 1.5

**Wiring**



Accessories		
Accessories (included)		2 lock nuts; screwdriver
Remarks		
Pack quantity	[piece]	1