

Product characteristics

Retro-reflective sensor

Threaded type

M30 x 1.5

Terminals

Sensing range 0.1...4m (Prismatic reflector Ø 80 (E20005))

adjustable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...55 DC

Current consumption [mA]

30 (24 V)

Type of light

Infrared light 950 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]

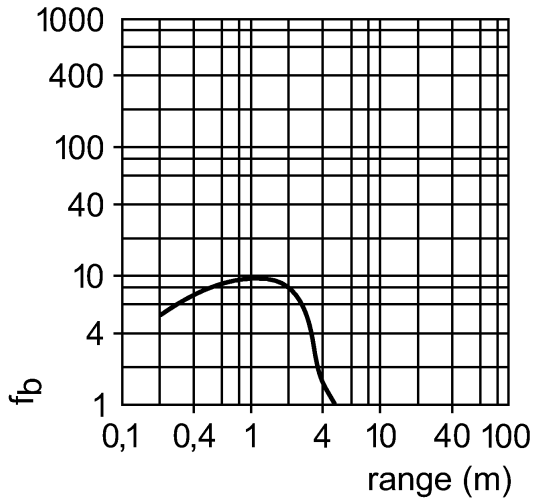
0.1...4 (Prismatic reflector Ø 80 (E20005))

Light spot diameter [mm]

280 (at maximum range)

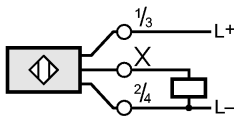
Excess gain graphs

OI5001 - Retro-reflective sensor - eclass: 27270902 / 27-27-09-02



Environment	
Ambient temperature [°C]	-25...80
Protection	IP 65
Tests / approvals	
EMC	EN 60947-5-2
MTTF [Years]	659
Mechanical data	
Housing materials	PBT; modified PPO
Lens material	PMMA
Weight [kg]	0.117
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	terminals up to 1.5 mm ² ; cable diameter 7...13 mm, cable gland M20 x 1.5

Wiring



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