

1: When a M5 mounting screw is used, the max. tightening torque is 2 Nm.

Receiver in upper lens, transmitter in lower lens



Product characteristics

Retro-reflective sensor

Rectangular, plastics

Quick disconnect

Polarization filter

Sensing range 0.1...7m (Prismatic reflector Ø 80 (E20005))

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

20

Type of light

red light 624 nm

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

dark-on mode

Voltage drop [V]

< 2.5

Current rating [mA]

200

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

1000

Monitoring range

Sensing range [m]

0.1...7 (Prismatic reflector Ø 80 (E20005))

Range referred to prismatic reflector[m]

Ø 80 mm 0.1...7

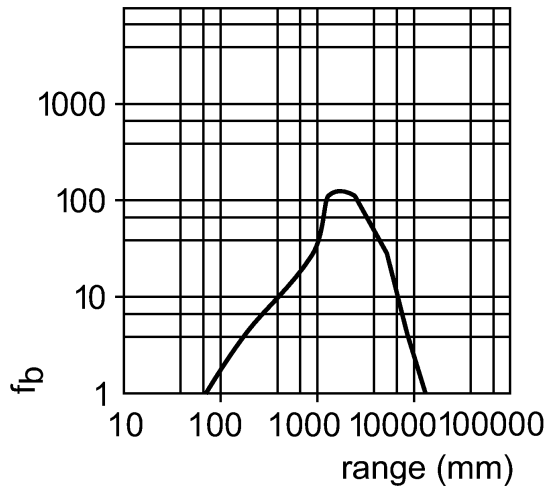
50 x 50 mm 0.1...7

Light spot diameter [mm]

175 (at maximum range)

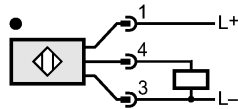
Excess gain graphs

O5P200 - Retro-reflective sensor - eclass: 27270902 / 27-27-09-02



Environment	
Ambient temperature [°C]	-25...60
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2
MTTF [Years]	502
Mechanical data	
Housing materials	housing: PA; Front framework: high-grade stainless steel; operator interface: TPE
Lens material	PMMA
Weight [kg]	0.061
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	M12 connector

Wiring



Remarks	
Remarks	cULus - Class 2 source required
Pack quantity [piece]	1