

Product characteristics

Retro-reflective sensor

Rectangular, plastics

Connector

Polarisation filter

Teach function

Electronic lock

Visible laser light, LASER CLASS 1

Sensing range 15m (Prismatic reflector Ø 80 (E20005))

adjustable

Electrical data

Electrical design

Operating voltage [V]

Current consumption [mA]

Type of light

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Current rating [mA]

Short-circuit protection

Overload protection

Switching frequency [Hz]

Range

Sensing range [m]

Smallest detectable object [mm]

Light spot diameter [mm]

Environment

Ambient temperature [°C]

Protection

Tests / approvals

DC PNP

10...36 DC

15

Red light 655 nm

II

yes

light-on / dark-on programmable via pushbutton

< 2.5

200

pulsed

yes

2000

15 (Prismatic reflector Ø 80 (E20005))

3 (1 m) / 20 (15 m)

40 ( at maximum range )

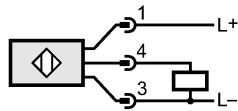
-10...60

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**O5P700 - Retro-reflective sensor - eclass: 27270902 / 27-27-09-02**

EMC		EN 60947-5-2
MTTF	[Years]	602
Mechanical data		
Housing materials		housing: PA; bezel: high-grade stainless steel; operator interface: TPU
Lens material		PMMA
Weight	[kg]	0.07
Displays / operating elements		
Output status indication	LED	yellow
Electrical connection		
Connection		M12 connector

**Wiring**



Remarks

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Laser light  
 CLASS 1 LASER PRODUCT  
 IEC 60825-1 : 2007  
 complies with 21 CFR 1040.10 except for deviations  
 pursuant to Laser Notice No. 50, dated June 2007  
 cULus - Class 2 source required

Pack quantity	[piece]	1
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