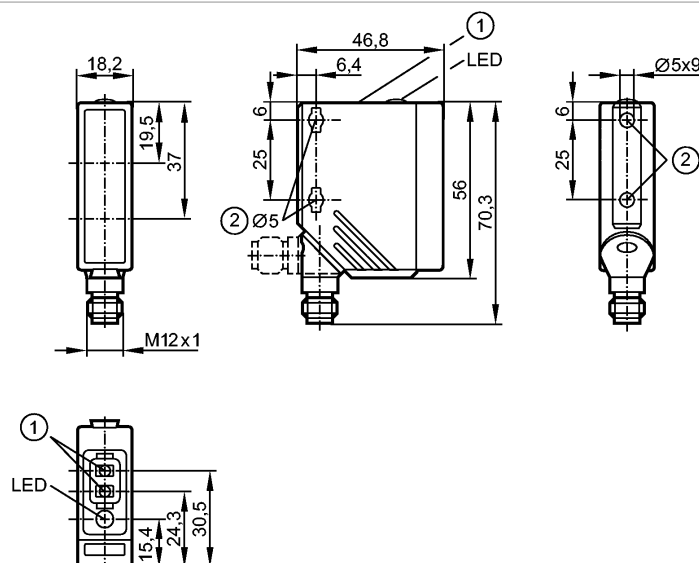


O5P500

O5P-FPKG/US100

Photoelectric sensors



1: Programming buttons

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

Receiver in upper lens, transmitter in lower lens

Made in Germany


Product characteristics

Retro-reflective sensor

Rectangular, plastics

Connector

Polarisation filter

Teach function

Electronic lock

Sensing range 0.075...10m (Prismatic reflector Ø 80 (E20005))

adjustable

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	light-on / dark-on programmable via pushbutton
Voltage drop [V]	< 2.5
Current rating [mA]	200
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	2000

Range

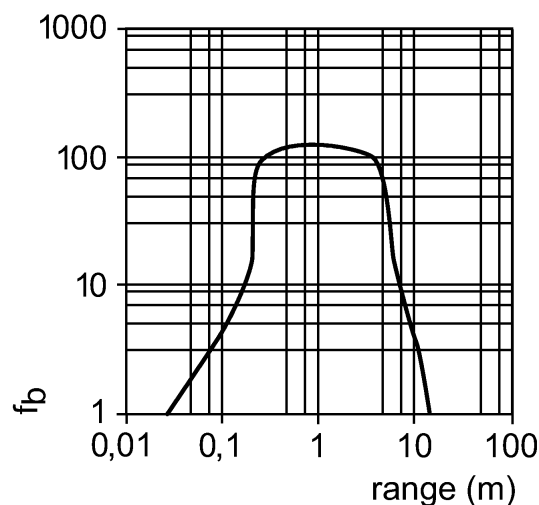
Sensing range [m]	0.075...10 (Prismatic reflector Ø 80 (E20005))				
Range referred to prismatic reflector [m]	<table> <tr> <td>Ø 80 mm</td><td>0.075...10</td></tr> <tr> <td>50 x 50 mm</td><td>0.075...10</td></tr> </table>	Ø 80 mm	0.075...10	50 x 50 mm	0.075...10
Ø 80 mm	0.075...10				
50 x 50 mm	0.075...10				

O5P500

O5P-FPKG/US100

Photoelectric sensors

Light spot diameter	[mm]	250 (at maximum range)
---------------------	------	--------------------------

Excess gain graphs

Environment

Ambient temperature	[°C]	-25...60
Protection		IP 67

Tests / approvals

EMC		EN 60947-5-2
MTTF	[Years]	435

Mechanical data

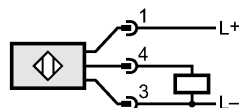
Housing materials	housing: PA; bezel: high-grade stainless steel; operator interface: TPU	
Lens material	PMMA	
Weight	[kg]	0.068

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