

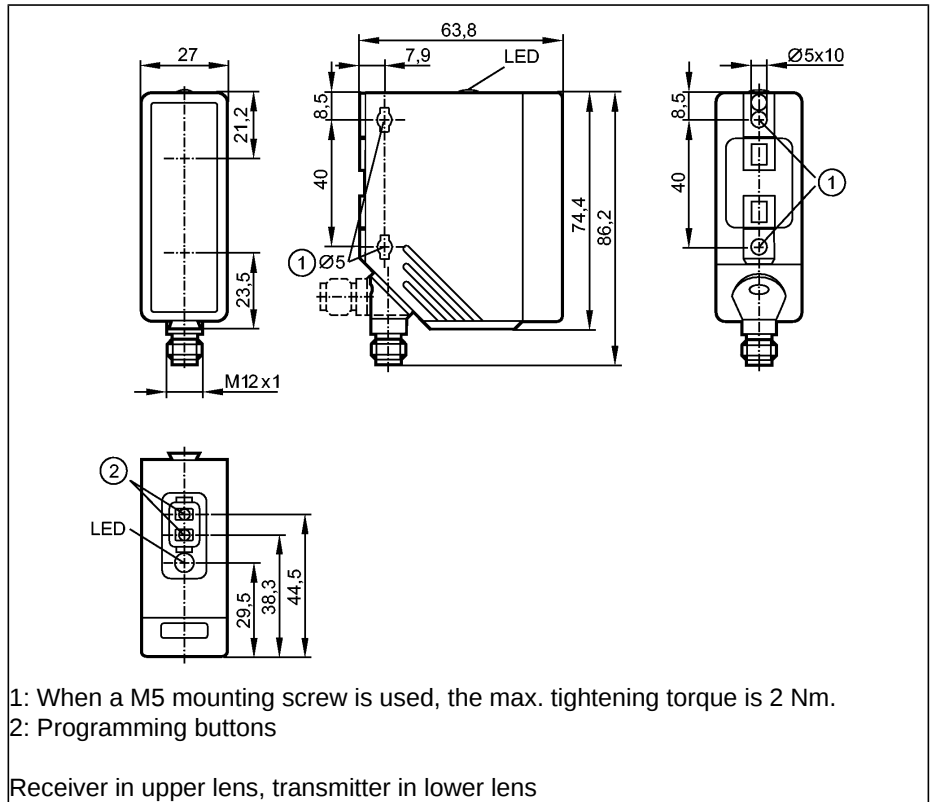
Photoelectric sensors

O4P500

O4P-FPKG/US
Retro-reflective sensor
Rectangular, plastics
Connector

Polarisation filter
Teach function
Electronic lock

Sensing range 0.3...22m
(Prismatic reflector Ø 80 (E20005))
adjustable



Made in Germany

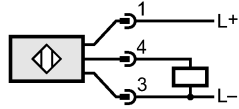


Electrical design	
Output	
Light spot diameter	[mm]
Operating voltage	[V]
Current rating	[mA]
Short-circuit protection	
Reverse polarity protection	
Overload protection	
Voltage drop	[V]
Current consumption	[mA]
Switching frequency	[Hz]
Type of light	
Ambient temperature	[°C]
Protection	
EMC	
MTTF	[Years]
Housing materials	
Lens material	
Function display	
Switching status	LED
Connection	
Weight	[kg]
Remarks	

DC PNP	
light-on / dark-on programmable via pushbutton	
Light spot diameter	660 (at maximum range)
Operating voltage	10...36 DC ¹⁾
Current rating	200
Short-circuit protection	pulsed
Reverse polarity protection	yes
Overload protection	yes
Voltage drop	< 2.5
Current consumption	20
Switching frequency	2000
Type of light	red light 624 nm
Ambient temperature	-25...60
Protection	IP 67, II
EMC	EN 60947-5-2
MTTF	434
Housing materials	housing: PA; bezel: high-grade stainless steel; operator interface: TPE
Lens material	PMMA
Function display	
Switching status	yellow
Connection	M12 connector
Weight	0.121
Remarks	¹⁾ operating voltage "supply class 2" to cULus.

O4P500

Wiring



Excess gain graphs

x: distance in [mm]
y: excess gain factor

