efector200

ifm electronic

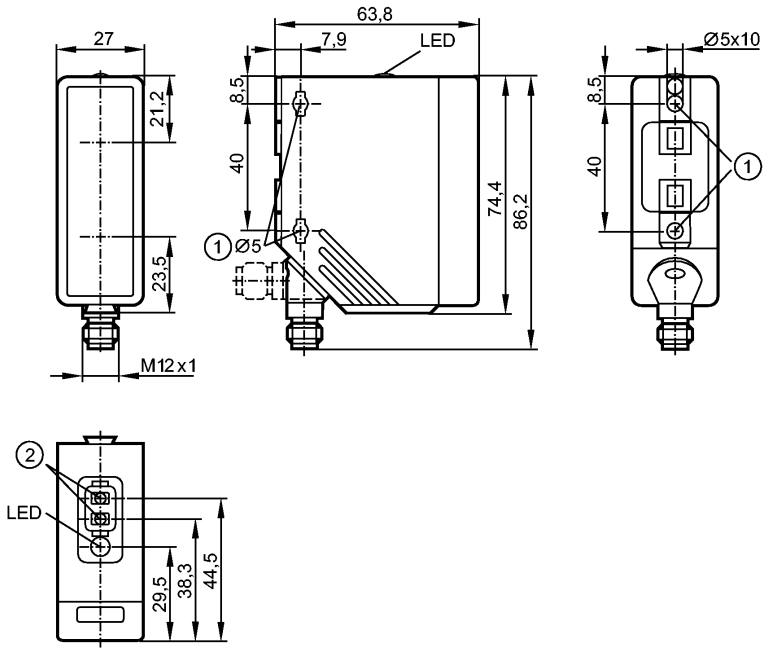
Photoelectric sensors

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



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

Receiver in upper lens, transmitter in lower lens

Made in Germany

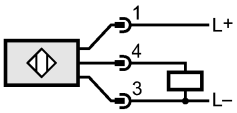
CE cULus LISTED

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

O4P500

Wiring





Excess gain graphs

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

