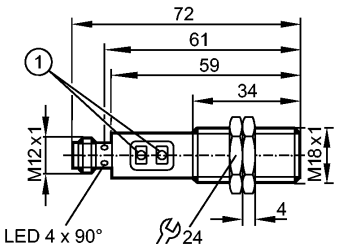
OGP500

OGP-FPKG/US100

Photoelectric sensors



1: Programming buttons

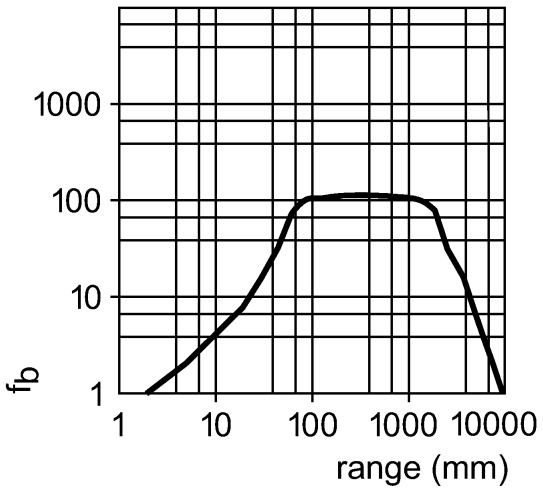
Made in Germany

Product characteristics		
Retro-reflective sensor		
Threaded type		
M18 x 1		
Connector		
Polarisation filter		
Sensing range 0.03...5m (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
Factory setting		dark-on mode
Voltage drop	[V]	< 2.5
Current rating	[mA]	200 (...60 °C) / 150 (...80 °C)
Short-circuit protection		pulsed
Overload protection		yes
Switching frequency	[Hz]	2000
Range		
Sensing range	[m]	0.03...5 (Prismatic reflector Ø 80 (E20005))
Light spot diameter	[mm]	200 (at maximum range)

Excess gain graphs

OGP500

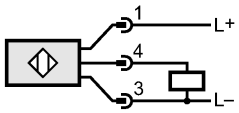
OGP-FPKG/US100



Environment		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[Years]	431
Mechanical data		
Housing materials		stainless steel 316L / 1.4404; PA; LCP; EPDM; TPU
Lens material		PMMA
Weight	[kg]	0.063
Displays / operating elements		
Output status indication	LED	yellow
Electrical connection		
Connection		M12 connector

Wiring





Accessories		
Accessories (included)		2 lock nuts
Remarks		
Remarks		cULus - Class 2 source required
Pack quantity	[piece]	1