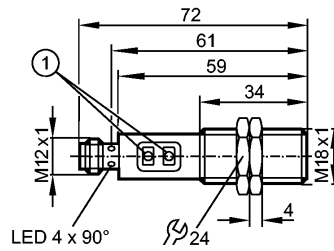


OGP500

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

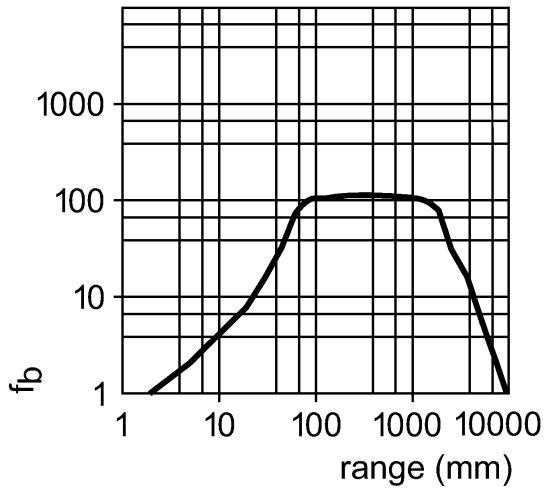
Range

Sensing range [m]	0.03...5 (Prismatic reflector Ø 80 (E20005))
Light spot diameter [mm]	200 (at maximum range)

Excess gain graphs

OGP500

Photoelectric sensors



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]	0.062

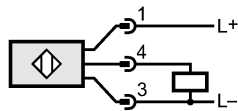
Displays / operating elements

Output status indication	LED	yellow
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Electrical connection

Connection		M12 connector
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Wiring



Accessories

Accessories (included)		2 lock nuts
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Remarks

Remarks		cULus - Class 2 source required
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