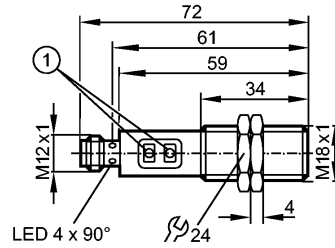


OGP500

OGP-FPKG/US100

Photoelectric sensors



1: Programming buttons



Product characteristics

Retro-reflective sensor
Threaded type
M18 x 1
Quick disconnect
Polarization 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]	150; 200 (...60 °C)
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	2000

Monitoring range

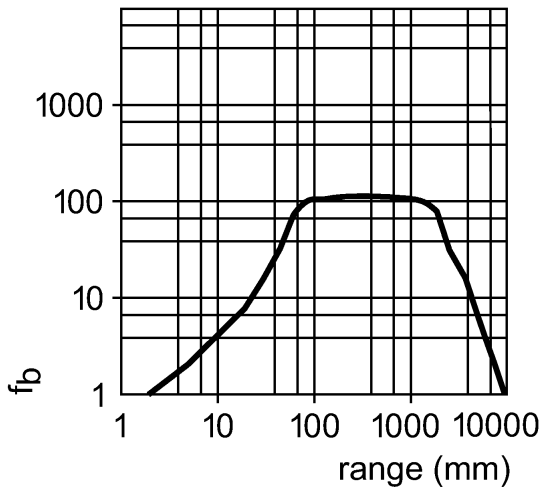
Sensing range [m]	0.03...5 (Prismatic reflector Ø 80 (E20005))
Light spot diameter [mm]	200 (at maximum range)

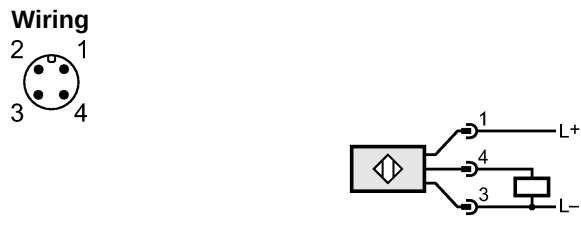
Excess gain graphs

OGP500

OGP-FPKG/US100

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 (urethane)
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