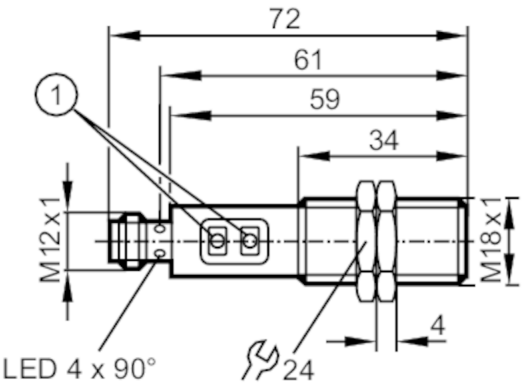
OGP500

Retro-reflective sensor

OGP-FPKG/US100



1 Programming buttons

Product characteristics		
Type of light		red light
Housing		Threaded type
Dimensions	[mm]	M18 x 1 / L = 72
Application		
System		polarization filter
Function principle		Retro-reflective sensor
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	20
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	624
Outputs		
Electrical design		PNP
Output function		light-on/dark-on mode; (programmable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	150; (200 (...60 °C))
Switching frequency DC	[Hz]	2000
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

OGP500

Retro-reflective sensor

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Monitoring range			
Range referred to prismatic reflector	[m]	0.03...5; (Prismatic reflector Ø 80 E20005)	
Factory setting		dark-on mode	
Range adjustable		yes	
Max. light spot diameter	[mm]	200	
Light spot dimensions refer to		at maximum range	
Polarization filter available		yes	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[years]	431	
Mechanical data			
Weight	[g]	61.8	
Housing		Threaded type	
Dimensions	[mm]	M18 x 1 / L = 72	
Thread designation		M18 x 1	
Material		stainless steel (1.4404 / 316L); PA; LCP; EPDM; TPU (urethane)	
Lens material		PMMA	
Displays / operating elements			
Display		Switching status	1 x LED, yellow
Accessories			
Accessories (supplied)		lock nuts: 2 x	
Remarks			
Remarks		cULus - Class 2 source required	
Pack quantity		1 pcs.	
Electrical connection			

Connector: 1 x M12

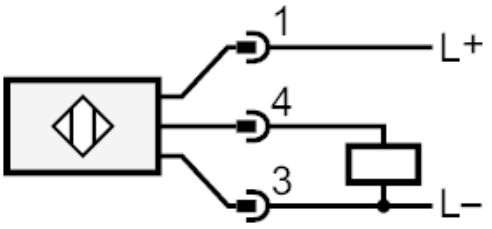


OGP500

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Connection



Diagrams and graphs

excess gain graph

