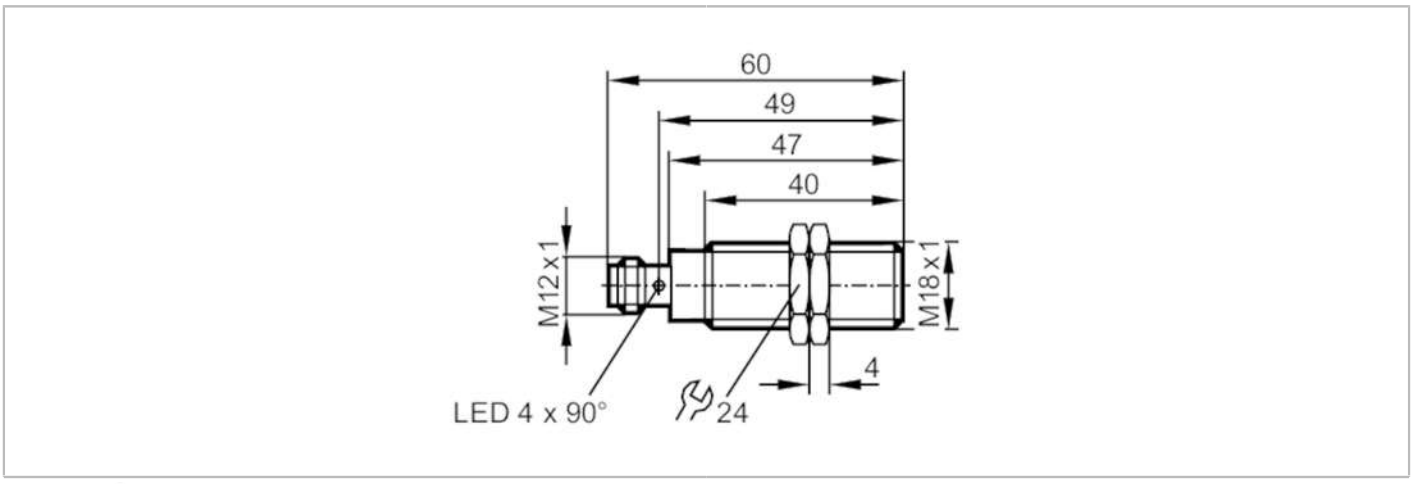
OGP300

Retro-reflective sensor

OGP-DPKG/US100



Product characteristics		
Type of light		red light
Housing		threaded type
Application		
Special feature		polarisation filter
Function principle		Retro-reflective sensor
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	624
Outputs		
Electrical design		PNP
Output function		dark-on mode
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]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Range referred to prismatic reflector	[m]	0.03...4; (Prismatic reflector Ø 80 E20005)
Range adjustable		no
Max. light spot diameter	[mm]	160
Light spot dimensions refer to		at maximum range

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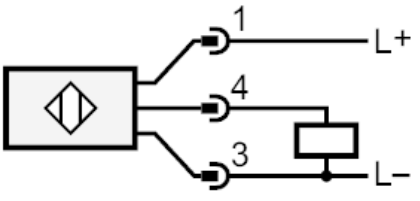
Polarisation filter available			yes
Operating conditions			
Ambient temperature	[°C]		-25...80
Protection			IP 65; IP 67; IP 68; IP 69K
Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[years]		509
Mechanical data			
Weight	[g]		55
Housing			threaded type
Dimensions	[mm]		M18 x 1 / L = 60
Thread designation			M18 x 1
Materials			housing: stainless steel (1.4404 / 316L); Sealing: EPDM
Lens material			PMMA
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied			lock nuts: 2
Remarks			
Remarks			operating voltage "supply class 2" according to cULus
Pack quantity			1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



Connection



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Diagrams and graphs

excess gain graph

