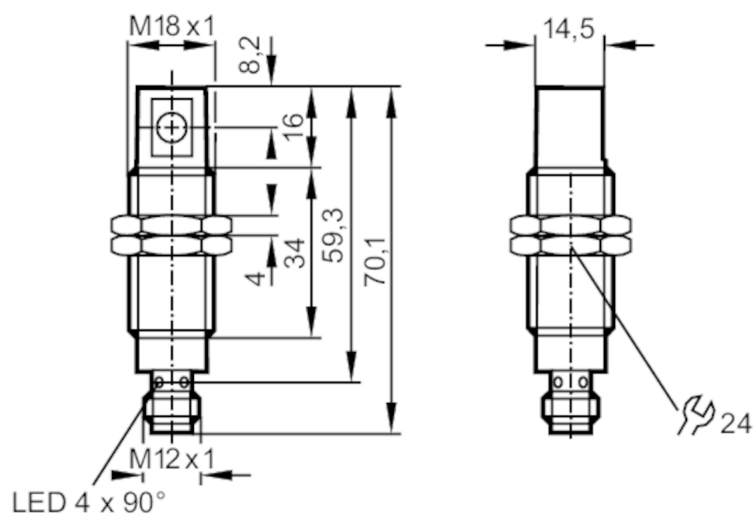


Retro-reflective sensor

OGP-HPKG/US/90°



Product characteristics

Type of light	red light
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 59.3

Application

Special feature	polarisation filter
Function principle	Retro-reflective sensor

Electrical data

Operating voltage [V]	10...30 DC; ("supply class 2" to cULus)
Current consumption [mA]	< 22
Protection class	II
Reverse polarity protection	yes
Type of light	red light
Wave length [nm]	660

Outputs

Electrical design	PNP
Output function	light-on mode
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	500
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes



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Detection zone		
Range referred to prismatic reflector	[m]	3; (Prismatic reflector Ø 80 E20005)
Range adjustable		no
Max. light spot diameter	[mm]	96
Light spot dimensions refer to		at maximum range
Polarisation filter available		yes
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 68
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	859
Mechanical data		
Weight	[g]	59.1
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 59.3
Thread designation		M18 x 1
Materials		stainless steel; ABS
Lens material		PMMA
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Accessories		
Accessories (supplied)	Nuts: 2 x	
	lock washers: 2 x	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12		
		



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Connection

