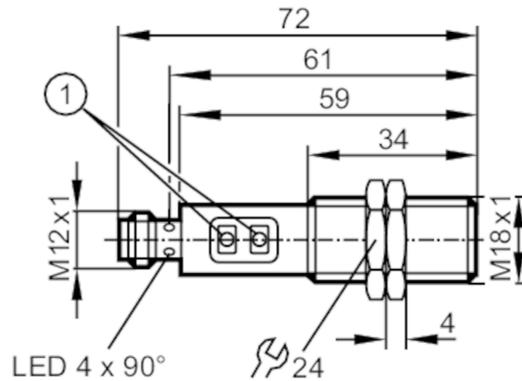


OGP700



Retro-reflective LASER sensor

OGPLFPKG/US100



1 Programming buttons



Product characteristics	
Type of light	red light
Laser protection class	1
Housing	Threaded type
Application	
System	polarization filter
Function principle	Retro-reflective sensor
Electrical data	
Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes
Type of light	red light
Wave length [nm]	655
Typ. lifetime [h]	50000
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]	200
Switching frequency DC [Hz]	2000
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes
Monitoring range	
Range referred to prismatic reflector [m]	0.2...15; (Prismatic reflector Ø 80 E20005)

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Factory setting	dark-on mode
Range adjustable	yes
Diameter of the smallest detectable object [mm]	3; (1 m; 15 m: 20)
Max. light spot diameter [mm]	78
Light spot dimensions refer to	at maximum range
Polarization filter available	yes

Operating conditions

Ambient temperature [°C]	-10...60
Protection	IP 65; IP 67

Tests / approvals

EMC	EN 60947-5-2	
Laser protection class	1	
Notes on laser protection	Caution:	Laser light
	laser class:	1
		EN / IEC60825-1:2007
		EN / IEC60825-1:2014
		Complies with 21 CFR 1040.10 except for conformance with IEC 60825-1 Ed. 3, as described in Laser Notice No. 56, dated May 8, 2019.
MTTF [years]	600	

Mechanical data

Weight [g]	63.5
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 72
Thread designation	M18 x 1
Material	housing: stainless steel (1.4404 / 316L); operator interface: PA; sealing: EPDM; Pushbuttons: TPU (urethane)
Lens material	PMMA

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
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Remarks

Remarks	cULus - Class 2 source required
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



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Connection

