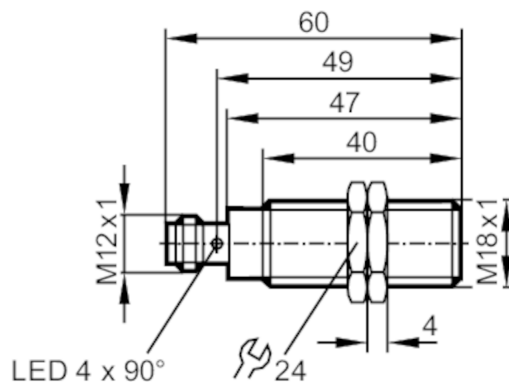


OGP200



Retro-reflective sensor

OGP-DPKG/US100



Product characteristics

Type of light	red light
Housing	Threaded type

Application

System	polarization 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]	200
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes



Retro-reflective sensor

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Monitoring range		
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
Polarization filter available		yes
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	509
Mechanical data		
Weight	[g]	50
Housing		Threaded type
Dimensions	[mm]	M18 x 1 / L = 60
Thread designation		M18 x 1
Material		housing: stainless steel (1.4404 / 316L)
Lens material		PMMA
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2 x
Remarks		
Remarks		cULus - Class 2 source required
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12; coding: A		
		

Retro-reflective sensor

OGP-DPKG/US100

Connection



Diagrams and graphs

excess gain graph

