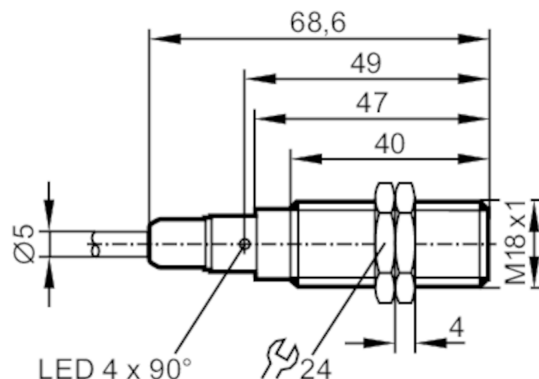


OGP303



Retro-reflective sensor

OGP-HPKG/6M



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

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]	150; (200 (...60 °C))
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

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

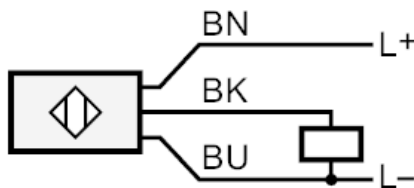
OGP303



Retro-reflective sensor

OGP-HPKG/6M

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]	500
Mechanical data		
Weight	[g]	257.5
Housing		Threaded type
Dimensions	[mm]	M18 x 1 / L = 68.6
Thread designation		M18 x 1
Material		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		cULus - Class 2 source required
Pack quantity		1 pcs.
Electrical connection		
Cable: 6 m, PVC; 3 x 0.34 mm²		
Connection		



Core colors :
BK = black
BN = brown
BU = blue



Retro-reflective sensor

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Diagrams and graphs

excess gain graph

