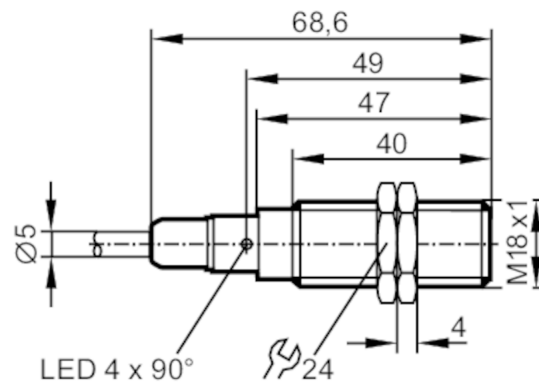




Retro-reflective sensor

OGP-DPKG/6M



Application

Function principle	Retro-reflective sensor
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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	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
Polarisation filter available	yes

Operating conditions

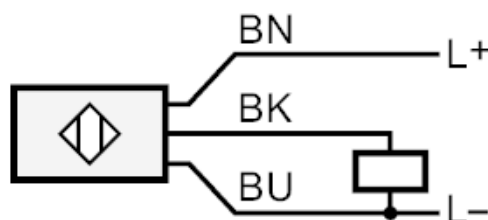
Ambient temperature	[°C]	-25...80
Protection		IP 67; IP 68; IP 69K



Retro-reflective sensor

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Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	509
Mechanical data		
Weight	[g]	274
Housing	threaded type	
Dimensions	[mm]	M18 x 1 / L = 68.6
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		
Accessories (supplied)	lock nuts: 2 x	
Remarks		
Remarks	operating voltage "supply class 2" according to cULus	
Pack quantity	1 pcs.	
Electrical connection		
Cable: 6 m, PVC; 3 x 0.34 mm²		
Connection		



Core colours :

BK = black
BN = brown
BU = blue



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Diagrams and graphs

excess gain graph

