

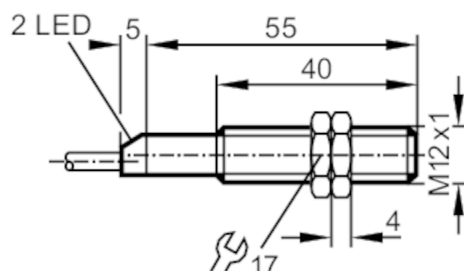
Retro-reflective sensor

OFP-FNKG

Article no longer available - archive entry

Alternative articles: OF5062

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Type of light	red light
Housing	threaded type

Application

Special feature	polarisation filter
Function principle	Retro-reflective sensor

Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 30
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660

Outputs

Electrical design		NPN
Output function		light-on/dark-on mode; (parameterisable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	320
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Range	[m]	0.2...0.8; (Prismatic reflector Ø 80 E20005)
Range referred to prismatic reflector	[m]	0.2...0.8; (Prismatic reflector Ø 80 E20005)
Max. light spot diameter	[mm]	70
Light spot dimensions refer to		at maximum range
Polarisation filter available		yes

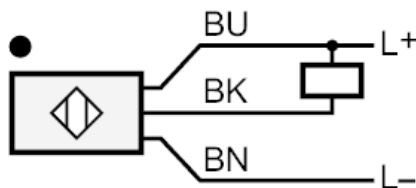
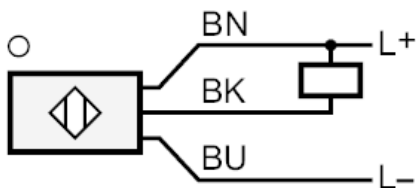
OF5061



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Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Weight	[g]	0.091
Housing		threaded type
Dimensions	[mm]	M12 x 1 / L = 60
Thread designation		M12 x 1
Materials		brass nickel-plated
Lens material		PMMA
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Аксессуары		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PUR; 3 x 0.34 mm²		
Connection		



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



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Diagrams and graphs

excess gain graph

