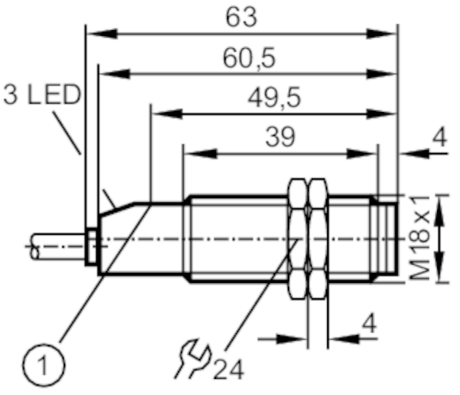
OG5106

Retro-reflective sensor

OGP-FPKG/B1/V4A/6M

Article no longer available - archive entry

Alternative articles: OGP302 or OGP303
When selecting an alternative article and accessories please note that technical data may differ!



1 pushbutton

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		PNP
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]	500
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Range	[m]	< 3; (Prismatic reflector Ø 80 E20005)
Range adjustable		yes

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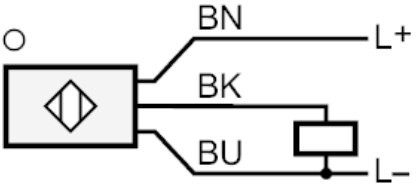
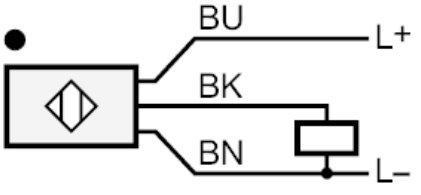
Max. light spot diameter	[mm]	262	
Light spot dimensions refer to		at maximum range	
Polarisation filter available		yes	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 68; IP 69K	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
Mechanical data			
Housing		threaded type	
Dimensions	[mm]	M18 x 1 / L = 63	
Thread designation		M18 x 1	
Materials		stainless steel (316L/1.4404); PBT	
Lens material		PMMA	
Displays / operating elements			
Display		switching status	1 x LED, yellow
		operation	1 x LED, green
		function	1 x LED, red
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Cable: 6 m, PVC; 3 x 0.34 mm²

Connection





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

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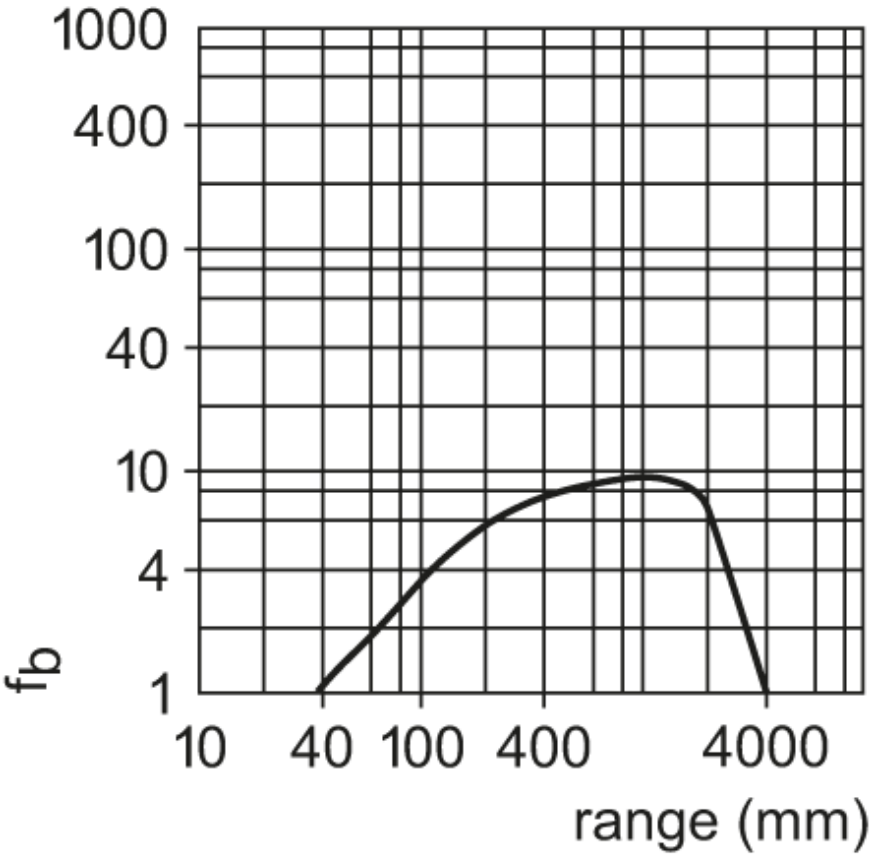
Diagrams and graphs

excess gain graph