

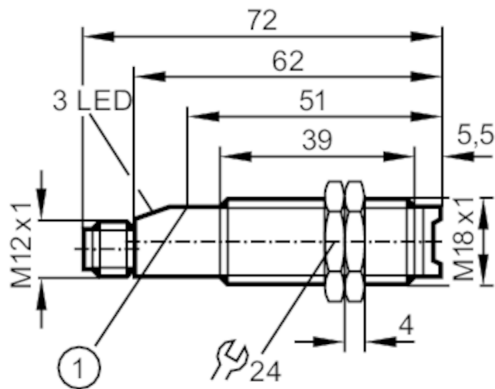


Retro-reflective sensor

OGP-FPKG/B1/US-100

Article no longer available - archive entry

Alternative article: OGP200 or OGP201 or OGP500 When selecting an alternative article and accessories please note that technical data may differ! – 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
Dimensions	[mm]	M18 x 1 / L = 72
Application		
Special feature		Gold-plated contacts; polarisation filter; Function check output
Function principle		Retro-reflective sensor
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 32
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660



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Outputs		
Electrical design	PNP	
Output function	light-on/dark-on mode; (parameterisable)	
Max. voltage drop switching output DC [V]	2.5	
Function check output	yes	
Max. voltage drop of function check output [V]	3.5	
Max. current load for function check output [mA]	10	
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	
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 67	
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Housing	threaded type	
Dimensions [mm]	M18 x 1 / L = 72	
Thread designation	M18 x 1	
Materials	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		
Accessories (supplied)	lock nuts: 2 x	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12; Contacts: gold-plated		

OG5046

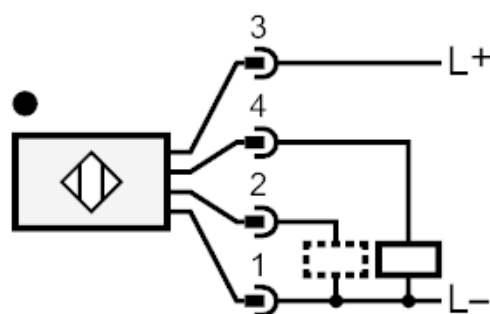
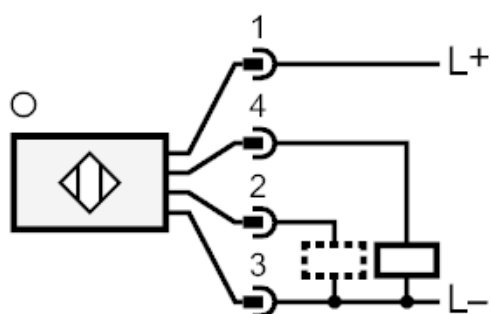


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Connection



2

Function check output

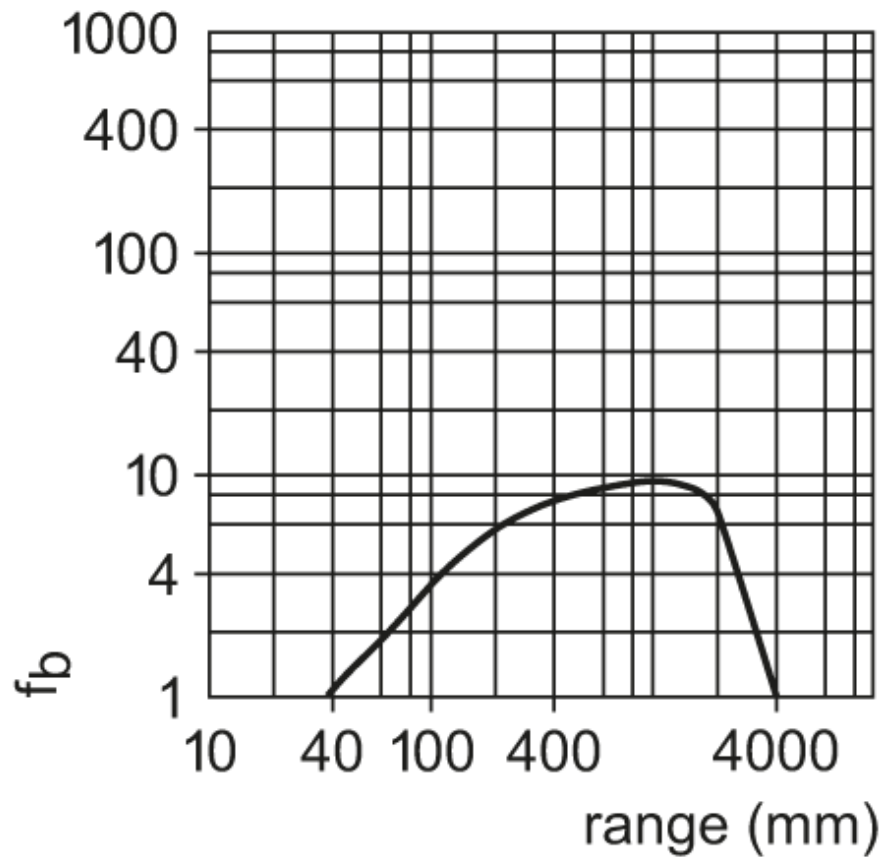


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Diagrams and graphs

excess gain graph



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