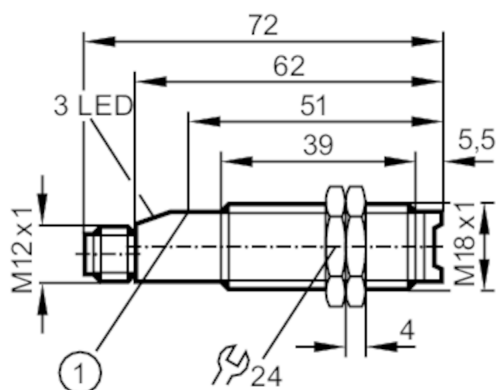


Diffuse reflection sensor

OGT-FPKG/US-100

Article no longer available - archive entry

Alternative article: OGT200 or OGT500 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	infrared light
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 72

Application

Special feature	Function check output
Function principle	Diffuse reflection sensor

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 32
Protection class	II
Reverse polarity protection	yes
Type of light	infrared light
Wave length [nm]	880



Diffuse reflection sensor

OGT-FPKG/US-100

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 [mm]	1...600; (white paper 200 x 200 mm 90 % remission)	
Range adjustable	yes	
Max. light spot diameter [mm]	169	
Light spot dimensions refer to	at maximum range	
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		

OG5050

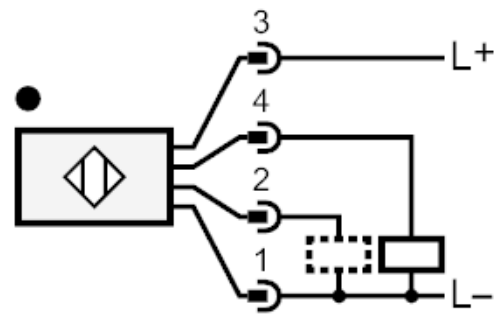
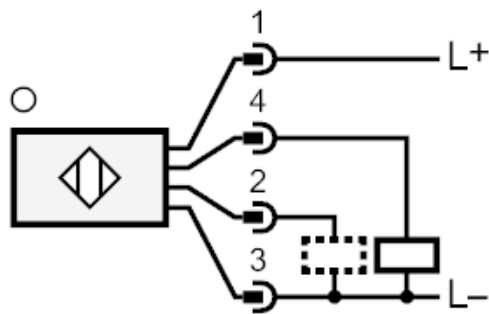


Diffuse reflection sensor

OGT-FPKG/US-100



Connection



2

Function check output

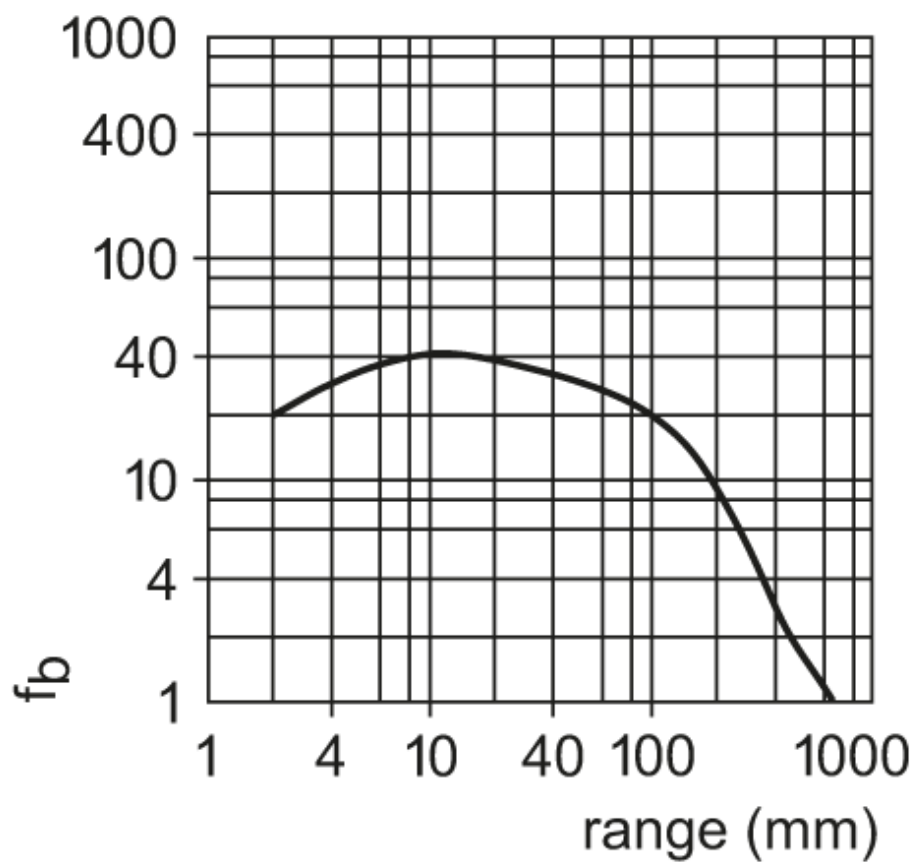


Diffuse reflection sensor

OGT-FPKG/US-100

Diagrams and graphs

excess gain graph



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