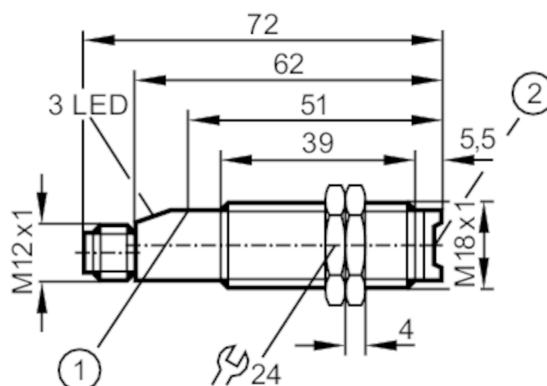


Through-beam sensor receiver

OGELFNKG/B1/V4A/US-100

Article no longer available - archive entry



- 1 pushbutton
2 LED \$Justierhilfe

Product characteristics

Type of light	red light
Housing	threaded type

Application

Special feature	Gold-plated contacts; Function check output
Function principle	Through-beam sensor

Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 30
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	675

Outputs

Electrical design		NPN
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



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Detection zone		
Transmitter / receiver		receiver
Range [m]		< 60
Range adjustable		yes
Diameter of the smallest detectable object [mm]		3
Operating conditions		
Ambient temperature [°C]		-10...50
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		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		
Connector: 1 x M12; coding: A; Contacts: gold-plated		
		

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Connection



2 Function check output

Diagrams and graphs

excess gain graph

