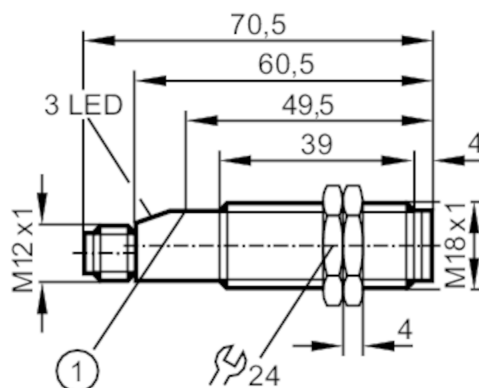


Through-beam sensor receiver

OGELFPKG/B1/V4A/US-100

Article no longer available - archive entry



1 pushbutton

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]	< 24
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	675
Typ. lifetime	[h]	50000

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



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Detection zone		
Transmitter / receiver	receiver	
Range [m]	< 60	
Range adjustable	yes	
Diameter of the smallest detectable object [mm]	3	
Max. light spot diameter [mm]	150	
Light spot dimensions refer to	at maximum range	
Operating conditions		
Ambient temperature [°C]	-10...50	
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 = 70.5	
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



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Function check output