OG5105

Retro-reflective sensor

OGPLFPKG/B6/V4A/US-100

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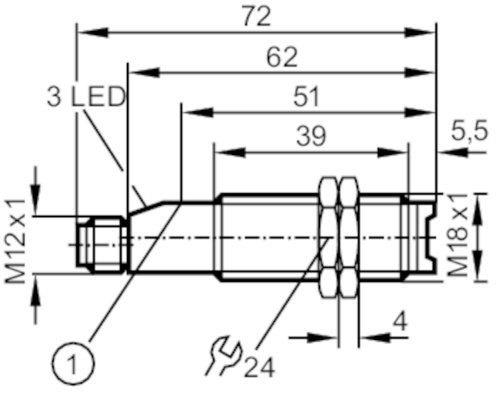

1 pushbutton

Product characteristics		
Type of light		red light
Laser protection class		2
Housing		threaded type
Application		
Function principle		Retro-reflective sensor
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 30; (operation; $Einstellung: < 50 mA)
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	675
Outputs		
Electrical design		PNP
Output function		light-on/dark-on mode; (parameterisable)
Max. voltage drop switching output DC	[V]	2.5
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
Short-time current rating of switching output	[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			
Range	[m]	< 2.5; (Prismatic reflector Ø 80 E20005)	
Operating conditions			
Ambient temperature	[°C]	-10...50	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
Laser protection class		2	
Notes on laser protection		Caution:	laser light
		pulse performance:	<= 2,2 mW
		Wave length:	675 nm
		frequency:	2,2 kHz
		Pulse length:	24 µs
		Do not stare into beam.	
		Avoid exposure to the laser light.	
		laser class:	2
			EN 60825-1
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

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Connection

2	Function check output