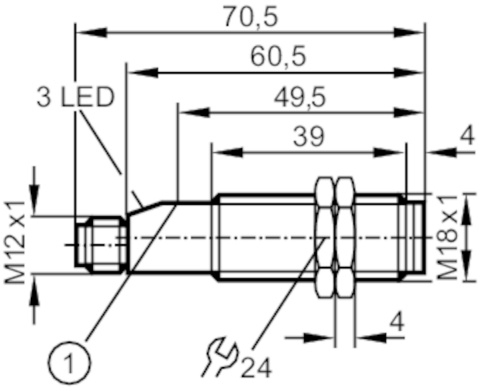
OG5098

Diffuse reflection sensor

OGH-FPKG/V4A/US-100

phase-out article

Alternative articles: OGH200 or OGH500
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
Application		
Special feature		Gold-plated contacts; Background suppression
Function principle		Diffuse reflection sensor
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 60
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660
Outputs		
Electrical design		PNP
Output function		light-on/dark-on mode; (parameterisable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	150; (200 (...60 °C))
Switching frequency DC	[Hz]	250
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Range	[mm]	30...130; (white paper 200 x 200 mm 90% remission)
Range adjustable		yes

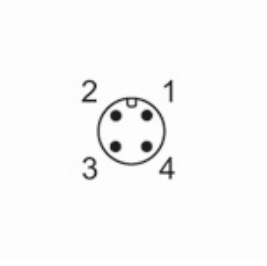
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Max. light spot diameter	[mm]	12	
Light spot dimensions refer to		at maximum range	
Background suppression available		yes	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
Mechanical data			
Housing		threaded type	
Dimensions	[mm]	M18 x 1 / L = 70.5	
Thread designation		M18 x 1	
Materials		stainless steel (1.4404 / 316L); 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			
Remarks		operating voltage "supply class 2" according to cULus	
Pack quantity		1 pcs.	
Electrical connection			

Connector: 1 x M12; coding: A; Contacts: gold-plated



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Connection

