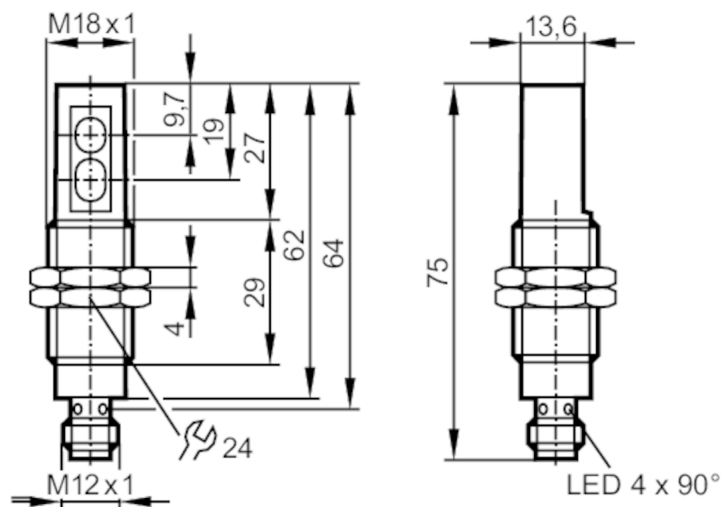


OG5123



Diffuse reflection sensor with background suppression

OGH-HPKG/US/90°/100MM



Application

Function principle	Diffuse reflection sensor
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Electrical data

Operating voltage	[V]	10...30 DC; ("supply class 2" to cULus)
Current consumption	[mA]	25
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	625

Outputs

Electrical design		PNP
Output function		light-on mode
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Range	[mm]	< 100; (white paper 200 x 200 mm 90 % remission)
Range adjustable		no
Max. light spot diameter	[mm]	16
Light spot dimensions refer to		at maximum range
Background suppression available		yes



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Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 68
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	541
Mechanical data		
Weight	[g]	65.2
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 65
Thread designation		M18 x 1
Materials		stainless steel; ABS
Lens material		PMMA
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Accessories		
Accessories (supplied)	Nuts: 2 x	
	lock washers: 2 x	
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12		
		



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Connection

