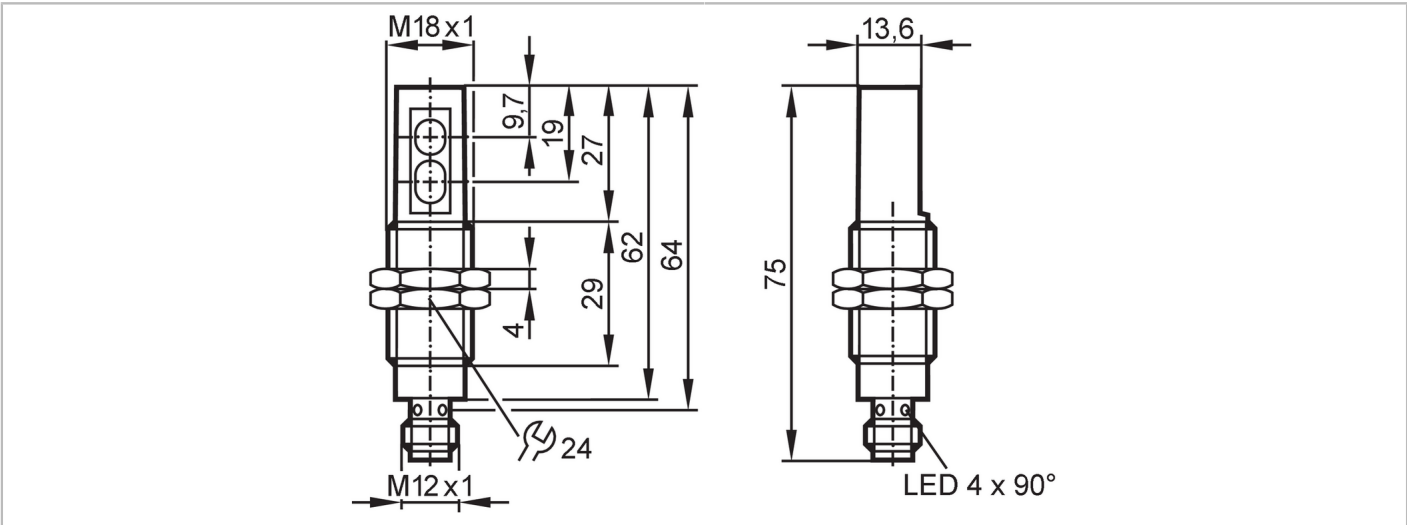




Diffuse reflection sensors with background suppression

OGH-HPKG/US/90°/100MM



Product characteristics		
Type of light		red light
Housing		Threaded type
Application		
Special feature		Background suppression
Function principle		Diffuse reflection sensor
Application		Industrial applications
Electrical data		
Operating voltage	[V]	10...30 DC; (cULus - Class 2 source required)
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		yes (non-latching)
Overload protection		yes
Monitoring range		
Range	[mm]	< 100; (white paper 200 x 200 mm 90 % remission)
Range adjustable		no



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Max. light spot diameter	[mm]	16
Light spot dimensions refer to		at maximum range
Background suppression available		yes

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]	57.3
Housing		Threaded type
Dimensions	[mm]	M18 x 1 / L = 65
Thread designation		M18 x 1
Material		housing: stainless steel; cover: ABS
Lens material		front lens:PMMA

Displays / operating elements

Display	Switching status	1 x LED, yellow
	Power	1 x LED, green

Accessories

Items supplied	Nuts: 2
	lock washers: 2

Remarks

Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12; coding: A; Contacts: 4



Connection

