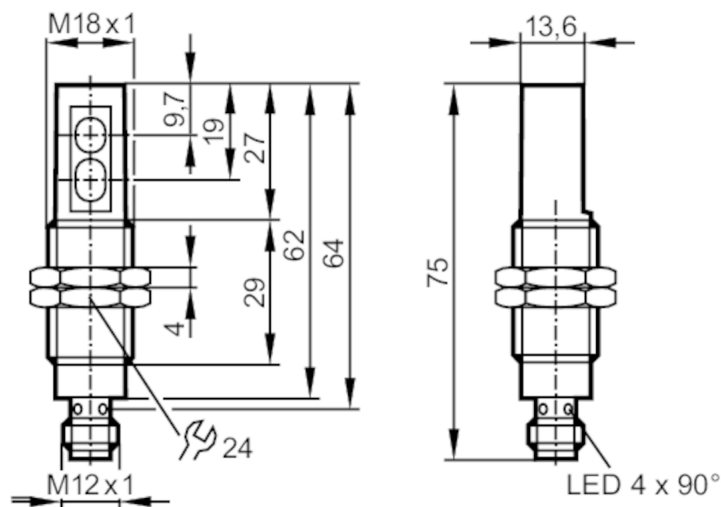




Diffuse reflection sensors with background suppression

OGH-HPKG/US/90°/100MM



Product characteristics

Type of light	red light
Housing	Threaded type

Application

System	Background suppression
Function principle	Diffuse reflection sensor

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
Max. light spot diameter	[mm]	16



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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	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





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Connection

