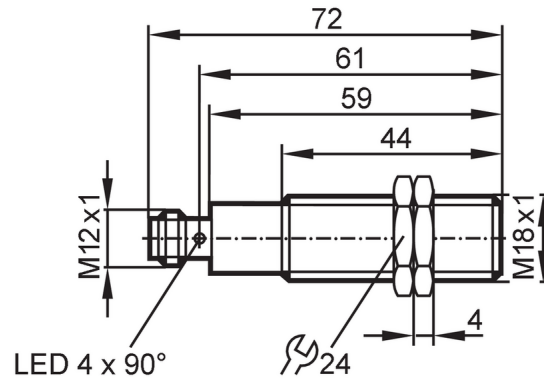




Diffuse reflection sensor with background suppression

OGH-HPKG/US100



transmitter in lower lens
receiver in upper lens



Product characteristics

Type of light	red light
Housing	threaded type

Application

Special feature	Background suppression
Function principle	Diffuse reflection sensor
Application	Industrial applications / factory automation

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	25
Protection class	II
Reverse polarity protection	yes
Type of light	red light
Wave length [nm]	624

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]	9
Light spot dimensions refer to	Range

OGH202



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Background suppression available	yes
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Operating conditions

Ambient temperature [°C]	-25...60
Protection	IP 67

Tests / approvals

EMC	EN 60947-5-2
MTTF [years]	372

Mechanical data

Weight [g]	52.6
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 72
Thread designation	M18 x 1
Materials	housing: stainless steel; PA; Sealing: FKM
Lens material	front pane: glass

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connection

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



Connection

