



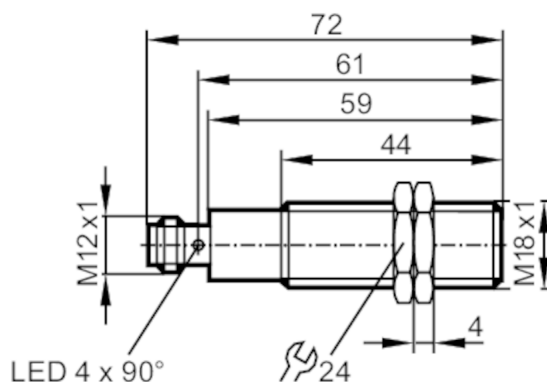
Diffuse reflection sensor with background suppression

OGH-DPKG/US100

phase-out article

Alternative articles: OGH500

When selecting an alternative article and accessories please note that technical data may differ!



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

Electrical data

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

Outputs

Electrical design		PNP
Output function		dark-on mode
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]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes



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Detection zone		
Range	[mm]	< 100; (white paper 200 x 200 mm 90% remission)
Range on white object (90 % remission)	[mm]	< 100
Range on grey object (18 % remission)	[mm]	< 100
Range on black object (6 % remission)	[mm]	< 100
Range adjustable		no
Max. light spot diameter	[mm]	9
Light spot dimensions refer to		Range
Background suppression available		yes
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	362
Mechanical data		
Weight	[g]	60.2
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 72
Thread designation		M18 x 1
Materials		housing: stainless steel (316L/1.4404); Sealing: EPDM
Lens material		PMMA
Displays / operating elements		
Display	switching status	1 x LED, yellow
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		
		

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Connection

