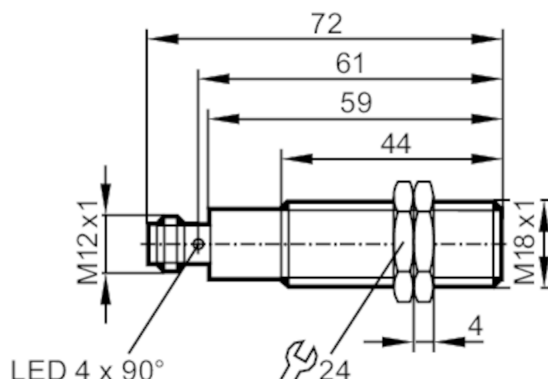




Diffuse reflection sensors with background suppression

OGH-HPKG/US100



transmitter in lower lens
Receiver in upper lens



Product characteristics

Type of light	red light
Housing	Threaded type

Application

System	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
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		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]	9



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Light spot dimensions refer to	Range	
Background suppression available	yes	
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	
Material	housing: stainless steel; PA; sealing: FKM	
Lens material	glass	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		

Connector: 1 x M12; coding: A



Connection

