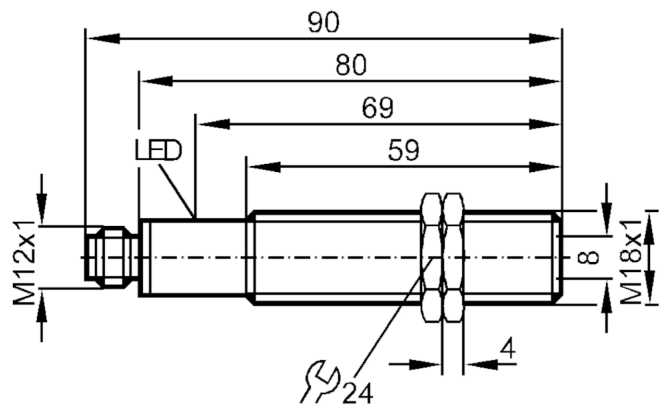




Diffuse reflection sensor

OGT-HPKG/US-100-DPS



Product characteristics

Type of light	Infrared light
Housing	Threaded type

Application

Function principle	Diffuse reflection sensor
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Electrical data

Operating voltage	[V]	10...55 DC; (cULus - Class 2 source required)
Current consumption	[mA]	10; ((24 V))
Protection class		II
Reverse polarity protection		yes
Type of light		Infrared light
Wave length	[nm]	880

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]	250
Switching frequency DC	[Hz]	160
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes



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Monitoring range		
Range	[mm]	< 100; (white paper 200 x 200 mm)
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	826
UL approval	Ta	< 40 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	UL approval number	E031
	File number UL	E174191
Mechanical data		
Weight	[g]	74.3
Housing		Threaded type
Dimensions	[mm]	M18 x 1 / L = 90
Thread designation		M18 x 1
Material		brass nickel-plated
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		
		



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Connection

