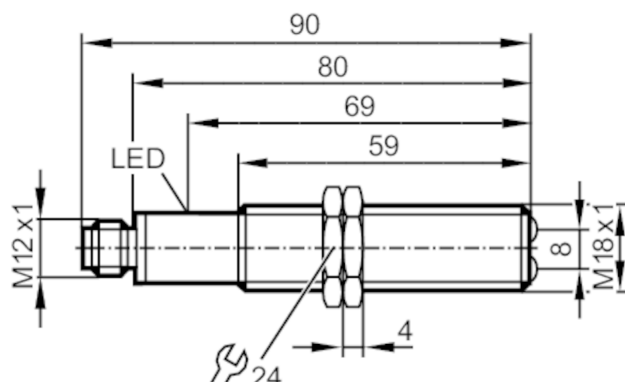




Retro-reflective sensor

OGR-DPKG/US-100-DPS



Product characteristics

Type of light	Infrared light
Housing	Threaded type

Application

Function principle	Retro-reflective sensor
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Electrical data

Operating voltage	[V]	10...55 DC
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		dark-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

Monitoring range

Range referred to prismatic reflector	[m]	3; (Prismatic reflector Ø 80 E20005)
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Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 65



Retro-reflective sensor

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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]	76.9	
Housing	Threaded type	
Dimensions [mm]	M18 x 1 / L = 90	
Thread designation	M18 x 1	
Material	brass nickel-plated	
Lens material	PMMA	

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

