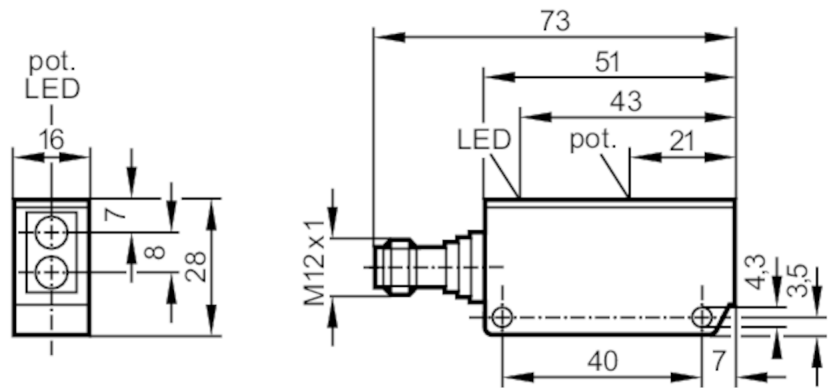




Retro-reflective sensor

OUP-DPKG/US-100-DPS



Receiver in upper lens
transmitter in lower lens



Product characteristics		
Type of light		red light
Housing		rectangular
Application		
System		polarization filter
Function principle		Retro-reflective sensor
Electrical data		
Operating voltage	[V]	10...55 DC; (cULus - Class 2 source required)
Current consumption	[mA]	30; ((24 V))
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660
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]	0.15...1.5; (Prismatic reflector Ø 80 E20005)
Range adjustable		yes
Max. light spot diameter	[mm]	475



Retro-reflective sensor

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Light spot dimensions refer to	at maximum range
Polarization filter available	yes

Operating conditions

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

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	687
UL approval	Ta	< 40 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	UL approval number	E032
	File number UL	E174191

Mechanical data

Weight	[g]	75
Housing		rectangular
Dimensions	[mm]	28 x 16 x 51
Number of channels		1
Material		PPO modified
Lens material		glass

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied	Angle bracket: 1, E20211
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Remarks

Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12; coding: A

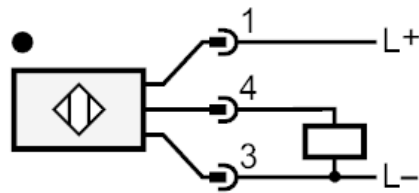




Retro-reflective sensor

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Connection



Diagrams and graphs

excess gain graph

