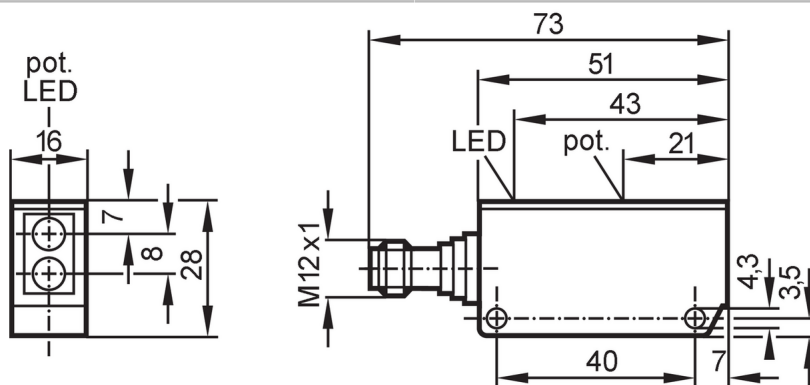




Retro-reflective sensor

OUR-HPKG/US-100-DPO



Receiver in upper lens
transmitter in lower lens



Product characteristics

Type of light	Infrared light
Housing	rectangular

Application

Function principle	Retro-reflective sensor
Application	Industrial applications

Electrical data

Operating voltage	[V]	10...55 DC; (cULus - Class 2 source required)
Current consumption	[mA]	< 35
Protection class		III
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

Monitoring range

Range referred to prismatic reflector	[m]	0.15...3; (Prismatic reflector Ø 80 E20005)
Range adjustable		yes
Max. light spot diameter	[mm]	262
Light spot dimensions refer to		at maximum range

OU5070



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Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	685
UL approval	Ta	< 40 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	UL approval number	E032
	File number UL	E174191

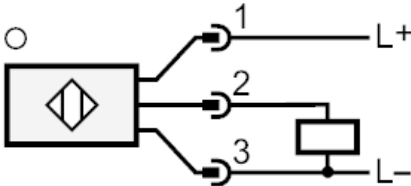
Mechanical data		
Weight	[g]	74.5
Housing		rectangular
Dimensions	[mm]	28 x 16 x 51
Number of channels		1
Material		housing: PPO modified
Lens material		front lens:glass

Displays / operating elements		
Display	Switching status	1 x LED, yellow

Accessories	
Items supplied	Angle bracket: 1, E20211

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Connector: 1 x M12; coding: A; Contacts: 4	
	

Connection	
	



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Diagrams and graphs

excess gain graph

