



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
Electrical data		
Operating voltage	[V]	10...55 DC; ("supply class 2" to cULus)
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		pulsed
Overload protection		yes
Detection zone		
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



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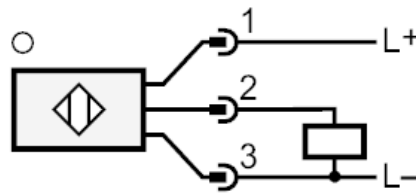
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Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	685
UL approval	Ta	< 40 °C
	Enclosure type	Type 1
	power supply	Class 2
	UL approval no.	E031
	File number UL	E174191
Mechanical data		
Weight	[g]	74.5
Housing		rectangular
Dimensions	[mm]	28 x 16 x 51
Number of channels		1
Materials		PPO modified
Lens material		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		
		

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Connection



Diagrams and graphs

excess gain graph

