



Through-beam sensor receiver

OUE-HPKG/US-100-DPO



Receiver in upper lens



Product characteristics

Type of light	Infrared light
Housing	rectangular

Application

Function principle	Through-beam sensor
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Electrical data

Operating voltage	[V]	10...55 DC
Current consumption	[mA]	20; ((24 V))
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]	140
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

Monitoring range

Transmitter / receiver		receiver
Range	[m]	< 6
Range adjustable		yes

Operating conditions

Ambient temperature	[°C]	-25...80
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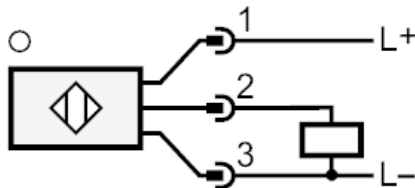
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
MTTF [years]		618	
Mechanical data			
Weight [g]		73.5	
Housing		rectangular	
Dimensions [mm]		28 x 16 x 51	
Material		PPO modified	
Lens material		glass	
Lens alignment		Side sensing	
Displays / operating elements			
Display		Switching status	1 x LED, yellow
Accessories			
Items supplied		Angle bracket: 1, E20211	
Remarks			
Pack quantity		1 pcs.	

Electrical connection

Connector: 1 x M12; coding: A



Connection





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Diagrams and graphs

excess gain graph

