



Retro-reflective sensor

OCPGHNKG/US-100

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No scale drawing available

Product characteristics

Type of light	red light
Housing	rectangular

Application

Function principle	Retro-reflective sensor
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Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 80
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660

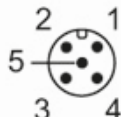
Outputs

Electrical design		NPN
Output function		light-on mode
Max. voltage drop switching output DC	[V]	2
Max. current load for function check output	[mA]	100
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes



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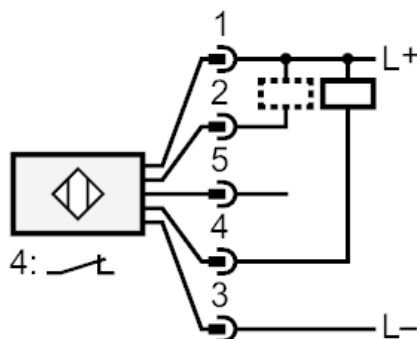
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Monitoring range		
Range	[m]	< 1.5; (Prismatic reflector Ø 80 E20005)
Range adjustable		yes
Max. light spot height	[mm]	13
Light spot dimensions refer to		Range
Reaction times		
Response time	[s]	0.5
Operating conditions		
Ambient temperature	[°C]	-10...55
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Housing		rectangular
Dimensions	[mm]	49 x 15 x 42
Material		diecast zinc
Lens material		PMMA
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied	screwdrivers	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12; coding: A		
		

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Connection



2	Function check output
5	Eingang "External Teach"

Diagrams and graphs

excess gain graph

