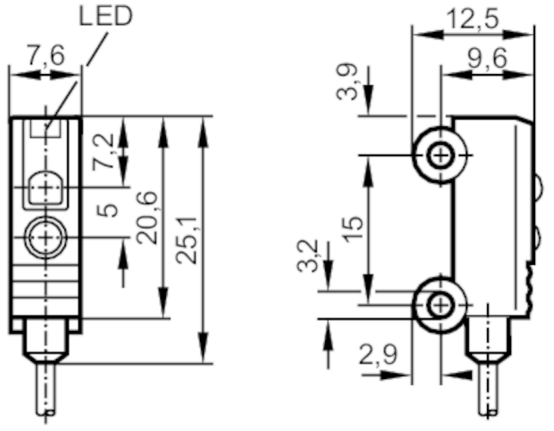
OH5017

Diffuse reflection sensor with background suppression

OHH-HPKG/0,20M/AS

phase-out article

Alternative articles: O8H208
When selecting an alternative article and accessories please note that technical data may differ!



CE

Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Special feature		Background suppression
Function principle		Diffuse reflection sensor
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 20
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Typ. lifetime	[h]	75000
Reference temperature for service life	[°C]	25
Outputs		
Electrical design		PNP
Output function		light-on mode
Permanent current rating of switching output DC	[mA]	50
Switching frequency DC	[Hz]	800
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

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Detection zone			
Range	[mm]	1...30; (white paper 200 x 200 mm 90% remission)	
Range adjustable		no	
Max. light spot diameter	[mm]	4.5	
Light spot dimensions refer to		at maximum range	
Background suppression available		yes	
Response times			
Response time	[s]	< 0.6	
Operating conditions			
Ambient temperature	[°C]	-20...50	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
Mechanical data			
Weight	[g]	15	
Housing		rectangular	
Dimensions	[mm]	25.1 x 7.6 x 12.5	
Materials		ABS	
Lens material		PMMA	
Lens alignment		side lens	
Displays / operating elements			
Display		switching status	1 x LED, yellow
		unsafe zone	1 x LED, yellow flashing
Remarks			
Pack quantity		1 pcs.	

Electrical connection

Cable: 0.2 m, PVC

Connector: 1 x M8; coding: A

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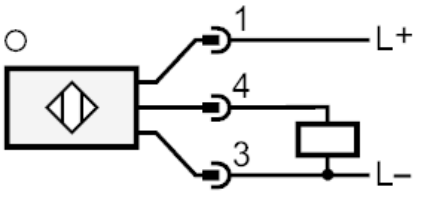
Connection