



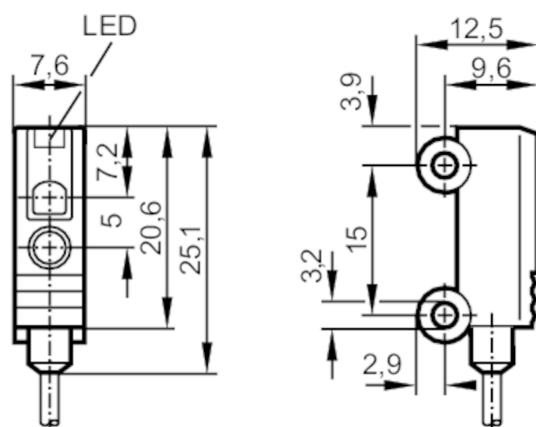
Diffuse reflection sensors with background suppression

OHH-HPKG/0,20M/AS

Discontinued article

Alternative articles: O8H210

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Type of light	red light
Housing	rectangular
Dimensions [mm]	25.1 x 7.6 x 12.5

Application

System	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	yes (non-latching)
Overload protection	yes



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Monitoring range		
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
Reaction 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]	14.8
Housing		rectangular
Dimensions	[mm]	25.1 x 7.6 x 12.5
Material		ABS
Lens material		PMMA
Lens alignment		Side sensing
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		



OH5007



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Connection

