

OH5016

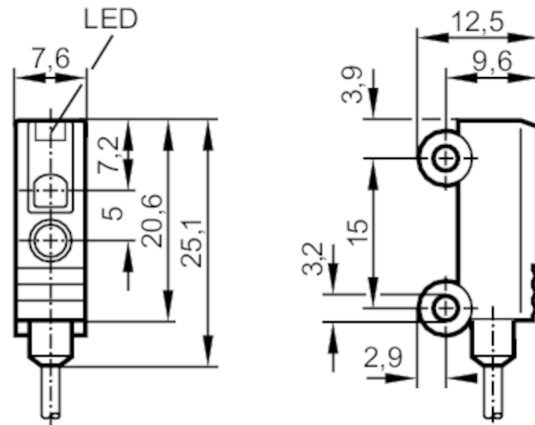


Diffuse reflection sensor with background suppression

OHN-HPKG/0,20M/AS

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/O8H214



Application

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

Detection zone

Range [mm]	2...50; (white paper 200 x 200 mm 90 % remission)
Range adjustable	no
Max. light spot diameter [mm]	3.5
Light spot dimensions refer to	at maximum range

Response times

Response time [s]	< 0.6
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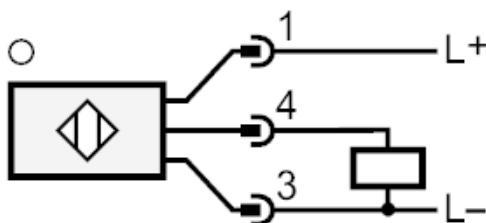
Operating conditions		
Ambient temperature	[°C]	-20...50
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
Mechanical data		
Weight	[g]	15.2
Housing		rectangular
Dimensions	[mm]	25.1 x 7.6 x 12.5
Materials		ABS
Lens material		PMMA
Lens alignment		side lens
Displays / operating elements		
Display	switching status	1 x LED, yellow
	unsafe zone	1 x LED, yellow flashing light
Remarks		
Notes		discontinued article
Pack quantity		1 pcs.
Electrical connection		

Cable: 0.2 m, PVC

Connector: 1 x M8



Connection



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