

# OH5017



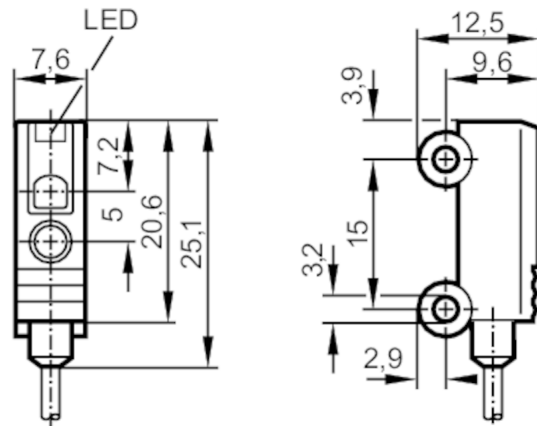
## Diffuse reflection sensor with background suppression

OHH-HPKG/0,20M/AS

discontinued article

Alternative articles: O8H208

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

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



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