



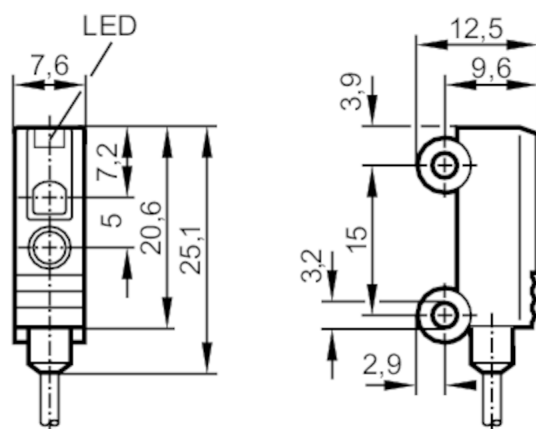
Diffuse reflection sensor with background suppression

OHN-HPKG/0,20M/AS

Article no longer available - archive entry

Alternative articles: O8H214

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



Product characteristics

Type of light	red light
Housing	rectangular

Application

Function principle	Diffuse reflection sensor
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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)
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OH5016



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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
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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

Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 0.2 m, PVC

Connector: 1 x M8; coding: A





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Connection

