

OH5007



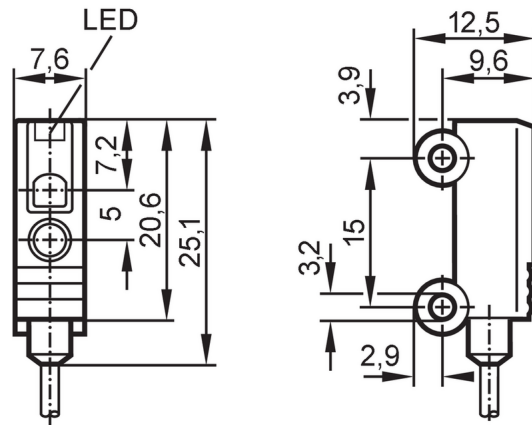
Diffuse reflection sensor with background suppression

OHH-HPKG/0,20M/AS

phase-out 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

Application

Special feature	Background suppression
Function principle	Diffuse reflection sensor
Application	For applications in robotics, assembly and handling technology

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

OH5007



Diffuse reflection sensor with background suppression

OHH-HPKG/0,20M/AS

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]	14.8
Housing		rectangular
Dimensions	[mm]	25.1 x 7.6 x 12.5
Materials		housing: ABS
Lens material		front pane: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; Contacts: 4		
		

OH5007



Diffuse reflection sensor with background suppression

OHH-HPKG/0,20M/AS

Connection

