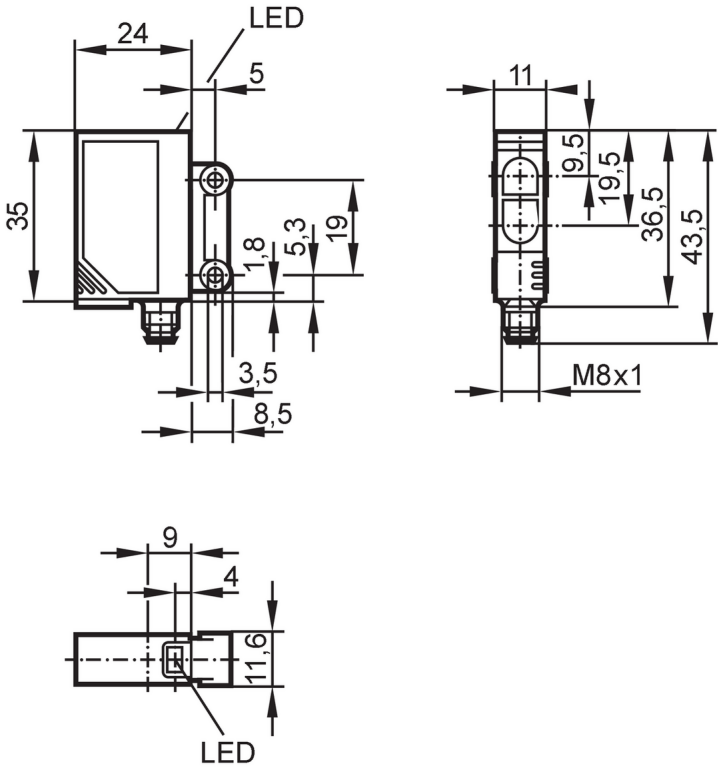
OJH200

Diffuse reflection sensor with background suppression

OJH-HPKG/SO/AS



receiver in upper lens
transmitter in lower lens

Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Special feature		Background suppression
Function principle		Diffuse reflection sensor
Application		Industrial applications / factory automation
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	25
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660
Outputs		
Electrical design		PNP
Output function		light-on mode
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200

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Switching frequency DC	[Hz]	1000	
Short-circuit protection		yes	
Type of short-circuit protection		pulsed	
Overload protection		yes	
Detection zone			
Range	[mm]	< 100; (fixed)	
Range adjustable		no	
Max. light spot diameter	[mm]	13	
Light spot dimensions refer to		at maximum range	
Background suppression available		yes	
Operating conditions			
Ambient temperature	[°C]	-25...60	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[years]	551	
Mechanical data			
Weight	[g]	15.7	
Housing		rectangular	
Dimensions	[mm]	35 x 11 x 24	
Materials		housing: ABS; LED window: SEPS	
Lens material		front pane:PMMA	
Lens alignment		side lens	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Remarks			
Remarks		operating voltage "supply class 2" according to cULus	
Pack quantity		1 pcs.	

Electrical connection

Connector: 1 x M8; coding: A; Contacts: 3



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Connection

