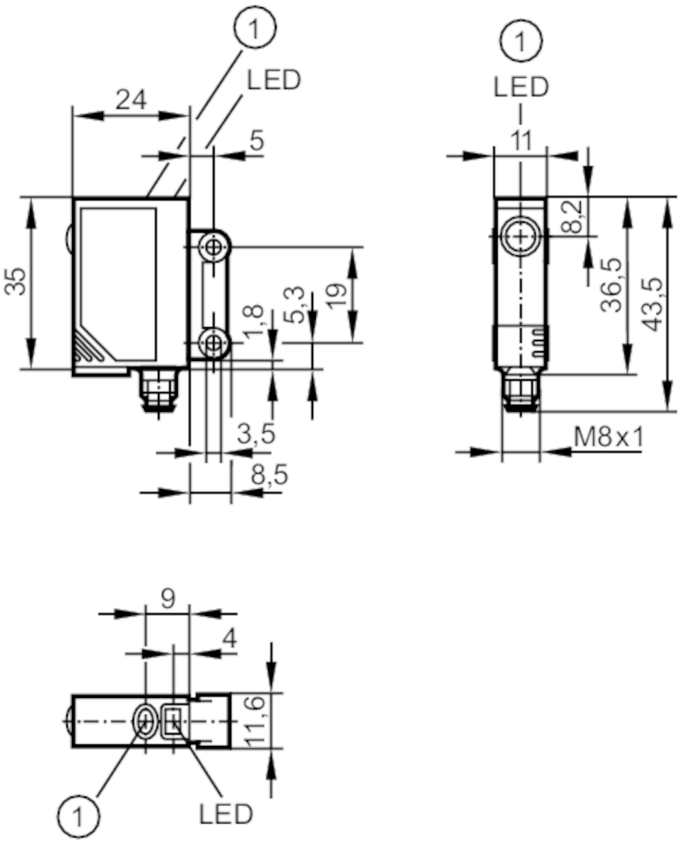
OJ5136

Retro-reflective laser sensor

OJPLFPKG/SO/AS



1 pushbutton

Application		
Function principle		Retro-reflective sensor
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 15
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	650
Typ. lifetime	[h]	50000

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Outputs			
Electrical design		PNP	
Output function		light-on/dark-on mode; (programmable)	
Max. voltage drop switching output DC	[V]	2.5	
Permanent current rating of switching output DC	[mA]	200	
Switching frequency DC	[Hz]	2000	
Short-circuit protection		yes	
Type of short-circuit protection		pulsed	
Overload protection		yes	
Detection zone			
Range referred to prismatic reflector	[m]	8; (Prismatic reflector 50 x 50 mm E20722)	
Range adjustable		yes	
Diameter of the smallest detectable object	[mm]	2.5; (0,1 m; 2,5 m: 4; 5 m: 8)	
Max. light spot diameter	[mm]	12	
Light spot dimensions refer to		at maximum range	
Polarisation filter available		yes	
Operating conditions			
Ambient temperature	[°C]	-10...60	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
Laser protection class		1; (IEC 60825-1 : 2007; Complies with 21 CFR 1040 except for deviations pursuant to Laser Notice No. 50, dated June 2007.)	
MTTF	[years]	697	
Mechanical data			
Weight	[g]	42.2	
Housing		rectangular	
Dimensions	[mm]	35 x 11 x 24	
Materials		housing: ABS; LED window: SEPS; pushbutton: SEPS	
Lens material		glass	
Lens alignment		side lens	
Displays / operating elements			
Display		switching status	1 x LED, yellow
		operation	1 x LED, green
		function	1 x LED, red
Electronic lock		yes	
Accessories			
Accessories (supplied)		screws: 2 x	
		spring washers: 2 x	
		Nuts: 2 x	

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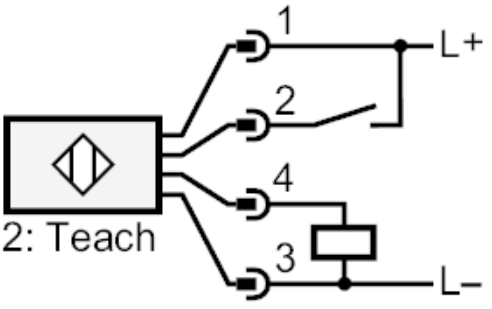
Remarks	
Remarks	operating voltage "supply class 2" according to cULus
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M8

Connection



2	Teach

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Diagrams and graphs

excess gain graph