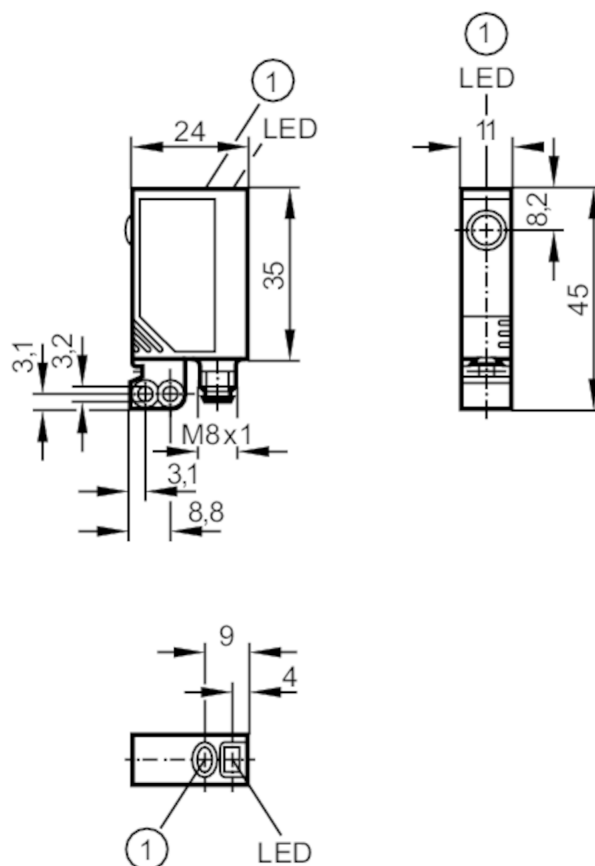




Retro-reflective laser sensor

OJPLFNKG/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	NPN	
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]	725	
Mechanical data		
Weight [g]	59.2	
Housing	rectangular	
Dimensions [mm]	35 x 11 x 24	
Materials	housing: ABS; fixture: diecast zinc; 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)	Basic clip: 1 x, E20964	
	screws: 2 x x M3 x 16	
	spring washers: 2 x	
	Nuts: 2 x	

OJ5037



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Remarks

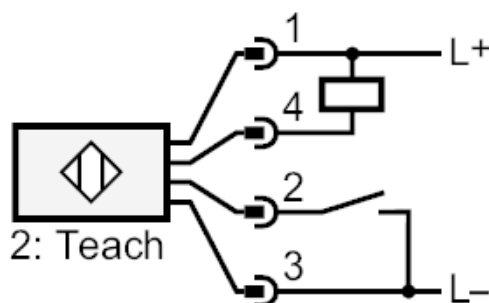
Remarks	operating voltage "supply class 2" according to cULus
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M8



Connection





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Diagrams and graphs

excess gain graph

