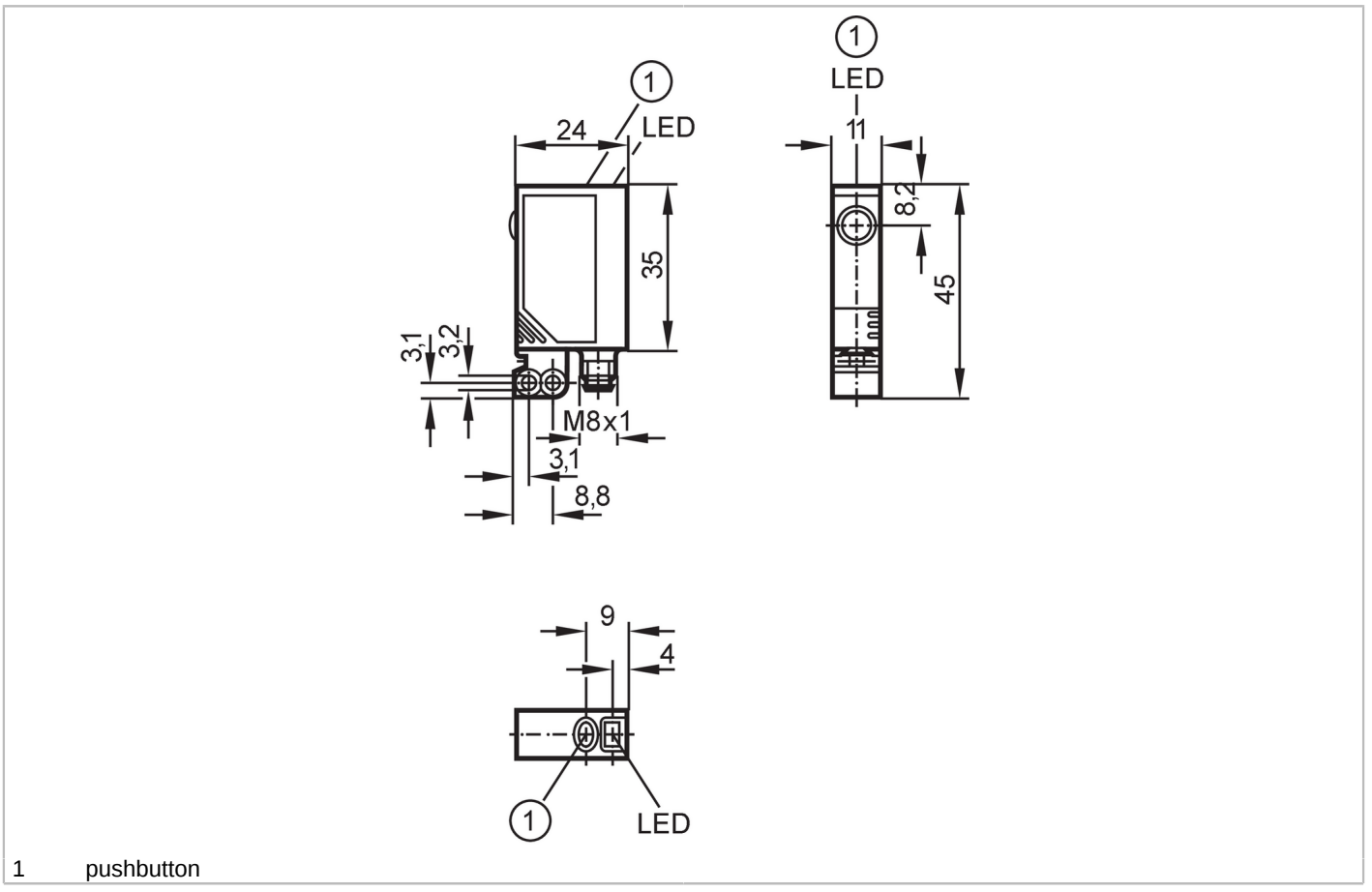
OJ5039

Through-beam laser sensor receiver

OJELFPKG/SO/AS



1 pushbutton

Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Function principle		Through-beam sensor
Application		For applications in robotics, assembly and handling technology
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 12
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	650
Typ. lifetime	[h]	50000
Outputs		
Electrical design		PNP
Output function		light-on/dark-on mode; (programmable)
Max. voltage drop switching output DC	[V]	2.5

OJ5039

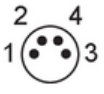
Through-beam laser sensor receiver

OJELFPKG/SO/AS

Permanent current rating of switching output DC [mA]	200	
Switching frequency DC [Hz]	1200	
Short-circuit protection	yes	
Type of short-circuit protection	pulsed	
Overload protection	yes	
Detection zone		
Transmitter / receiver	receiver	
Range [m]	< 15	
Range adjustable	yes	
Diameter of the smallest detectable object [mm]	2	
Operating conditions		
Ambient temperature [°C]	-10...60	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	952	
Mechanical data		
Weight [g]	26.85	
Housing	rectangular	
Dimensions [mm]	35 x 11 x 24	
Materials	housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS	
Lens material	front pane: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		
Items supplied	screws: 2 x (M3 x 16 mm)	
	Basic clip: 1, E20964	
	spring washers: 2	
	Nuts: 2	
Remarks		
Remarks	operating voltage "supply class 2" according to cULus	
Pack quantity	1 pcs.	

Electrical connection

Connector: 1 x M8; coding: A; Contacts: 4

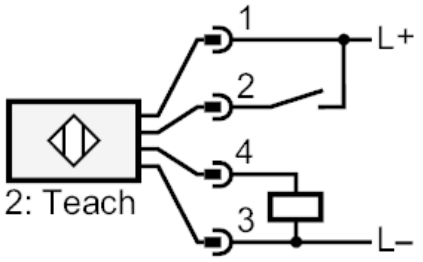


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Through-beam laser sensor receiver

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Connection



2	Teach

Diagrams and graphs

excess gain graph

