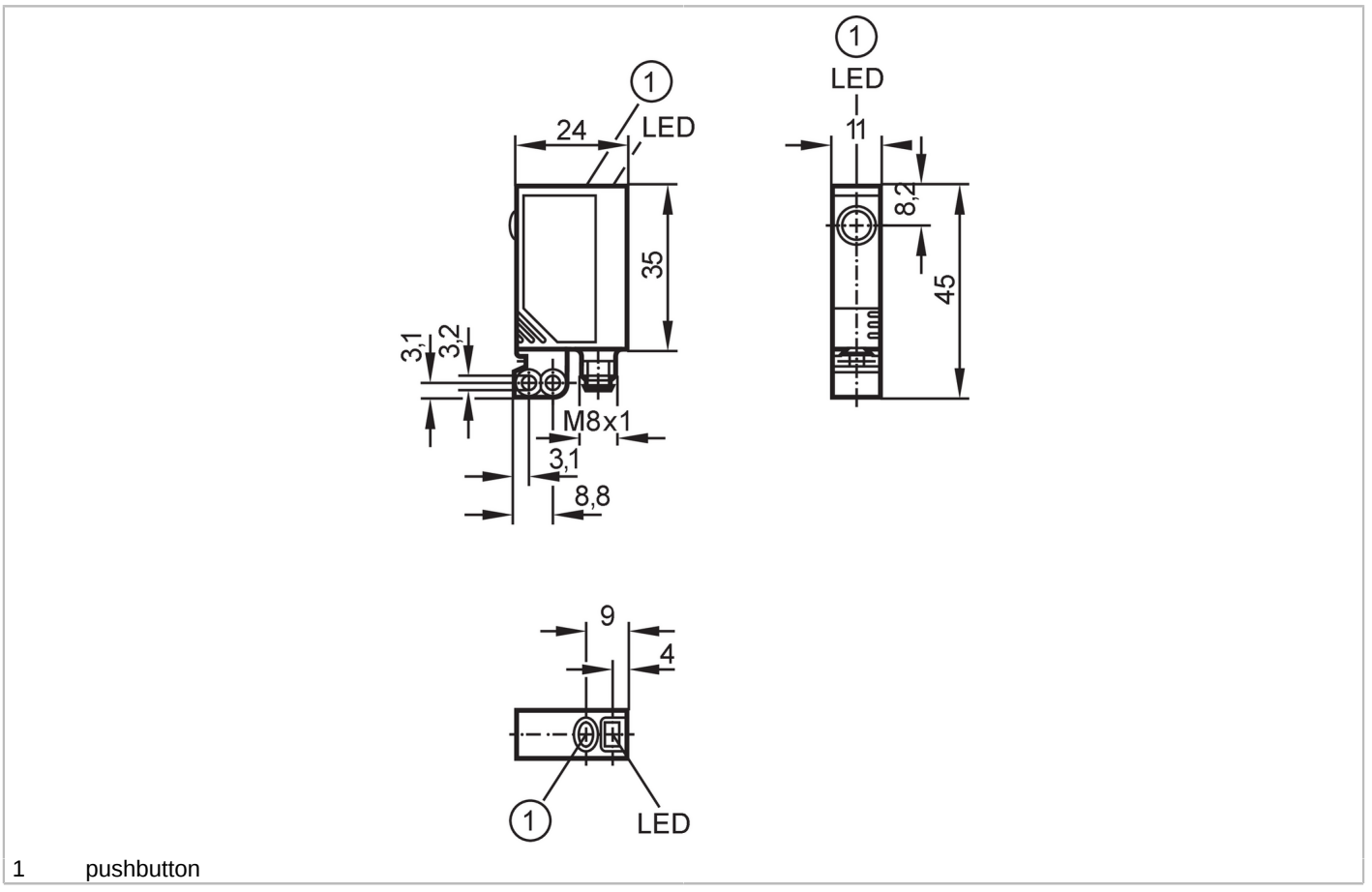
OJ5041

Through-beam laser sensor transmitter

OJSLOOKG/SO/AS



1 pushbutton

Product characteristics		
Type of light		red light
Laser protection class		1
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		
Overload protection		yes
Detection zone		
Transmitter / receiver		transmitter

OJ5041

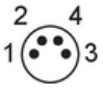
Through-beam laser sensor transmitter

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Range	[m]	< 1	
Range adjustable		no	
Max. light spot diameter	[mm]	4	
Light spot dimensions refer to		at maximum range	
Operating conditions			
Ambient temperature	[°C]	-10...60	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
Laser protection class		1	
Notes on laser protection		Caution:	laser light
		laser class:	1
			EN / IEC60825-1:2007
			EN / IEC60825-1:2014
			Complies with 21 CFR 1040.10 except for conformance with IEC 60825-1 Ed. 3, as described in Laser Notice No. 56, dated May 8, 2019.
MTTF	[years]	918	
Mechanical data			
Weight	[g]	27.55	
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		operation	1 x LED, green
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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Connection

