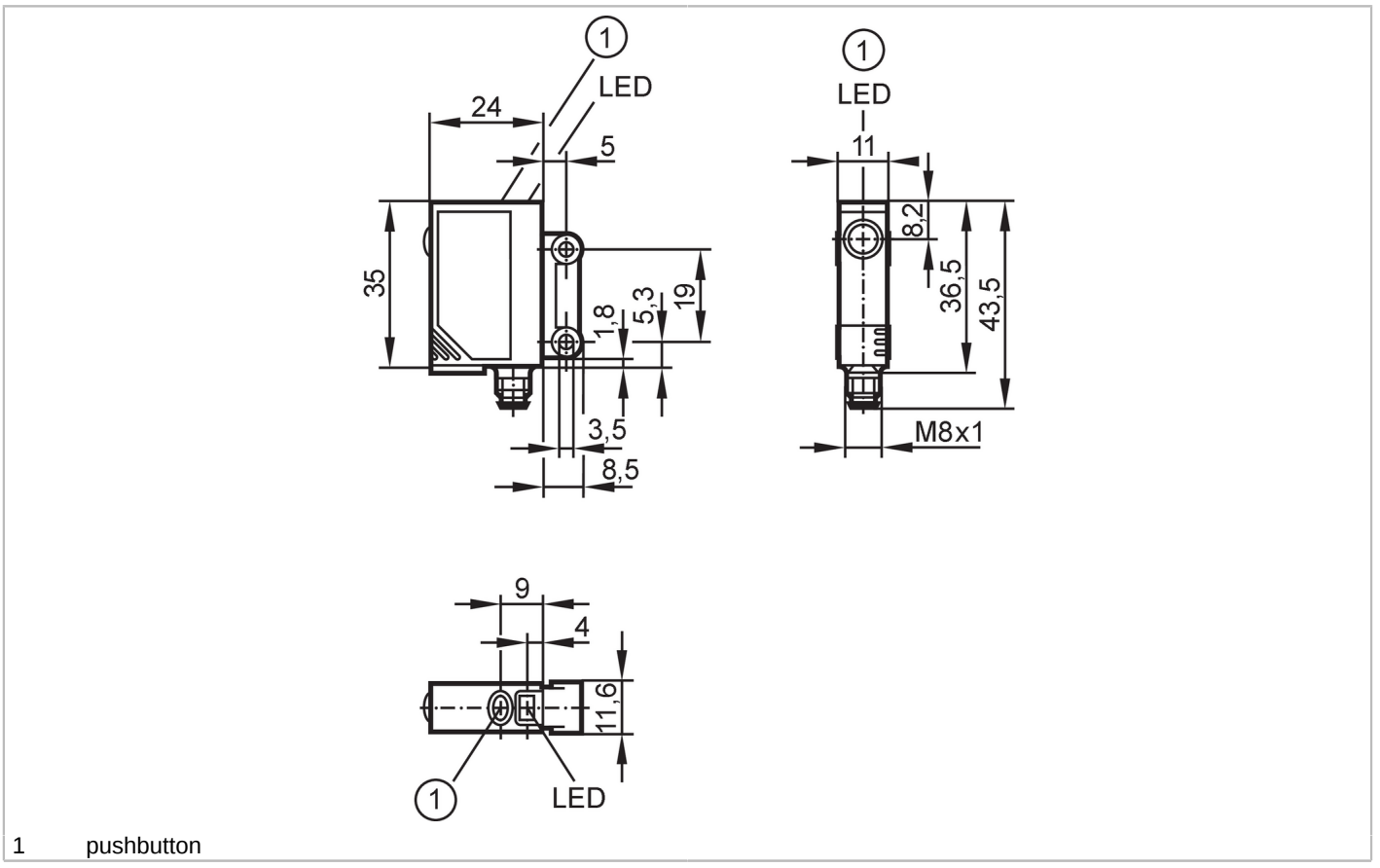
OJ5131

Through-beam sensor receiver

OJE-FPKG/SO/AS



1 pushbutton

Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Function principle		Through-beam sensor
Application		Industrial applications / factory automation
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]	660
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]	1200

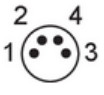
OJ5131

Through-beam sensor receiver

OJE-FPKG/SO/AS

Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Transmitter / receiver		receiver
Range	[m]	< 10
Range adjustable		yes
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	952
Mechanical data		
Weight	[g]	26.9
Housing		rectangular
Dimensions	[mm]	35 x 11 x 24
Materials		housing: ABS; 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
		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

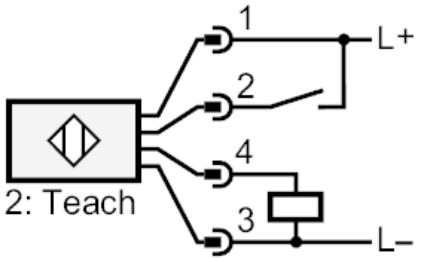


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Through-beam sensor receiver

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Connection



2	Teach

Diagrams and graphs

excess gain graph

