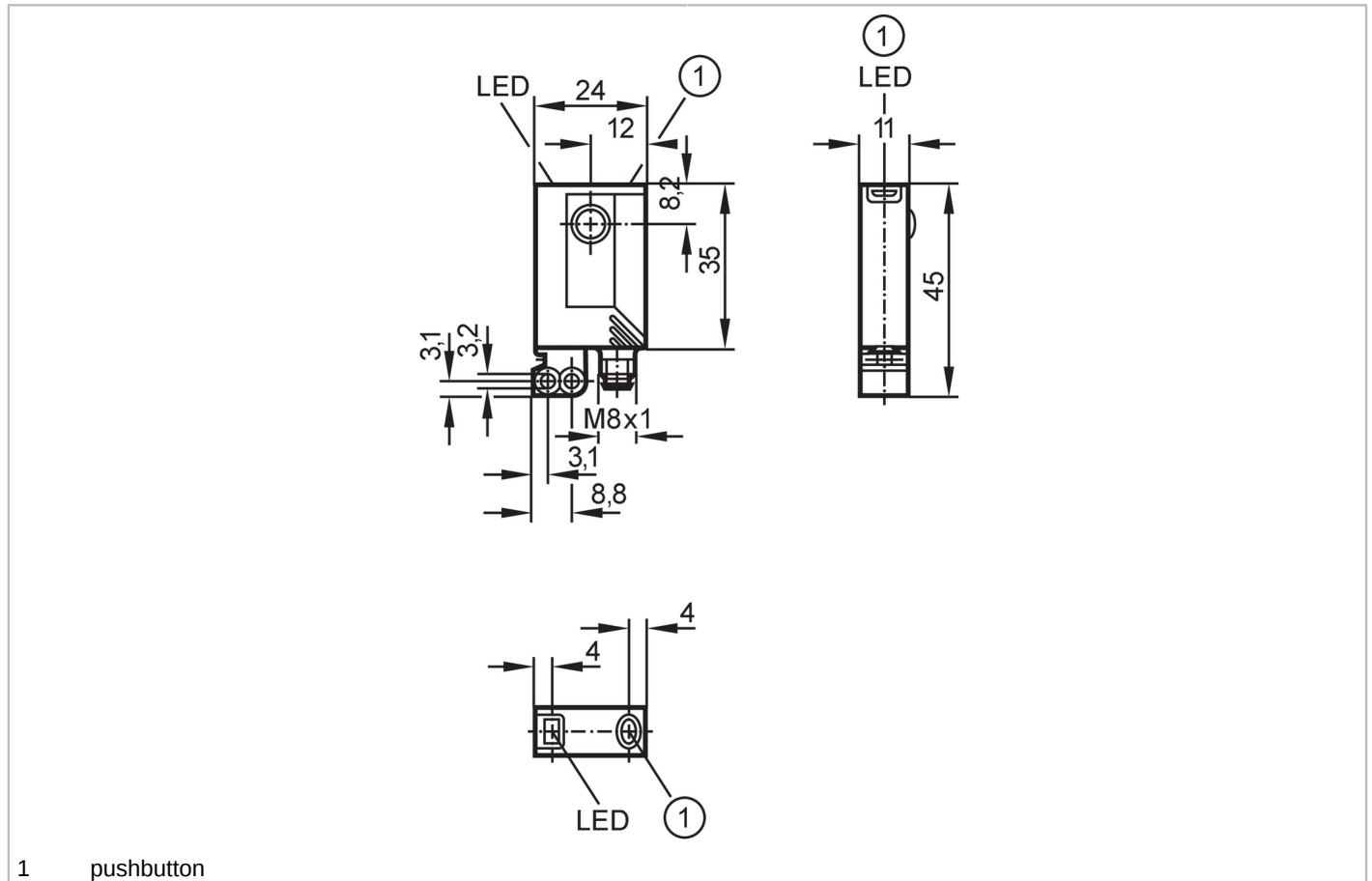




## Through-beam laser sensor receiver

OJELFPKG/FO/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

# OJ5017



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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]	968

### Mechanical data

Weight [g]	27.1
Housing	rectangular
Dimensions [mm]	35 x 24 x 11
Materials	housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS
Lens material	front pane:glass
Lens alignment	front 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

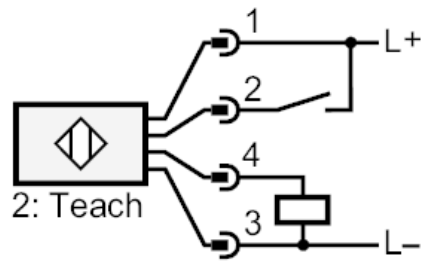
Connector: 1 x M8; coding: A; Contacts: 4



## Through-beam laser sensor receiver

OJELFPKG/FO/AS

### Connection



2 Teach

### Diagrams and graphs

excess gain graph

