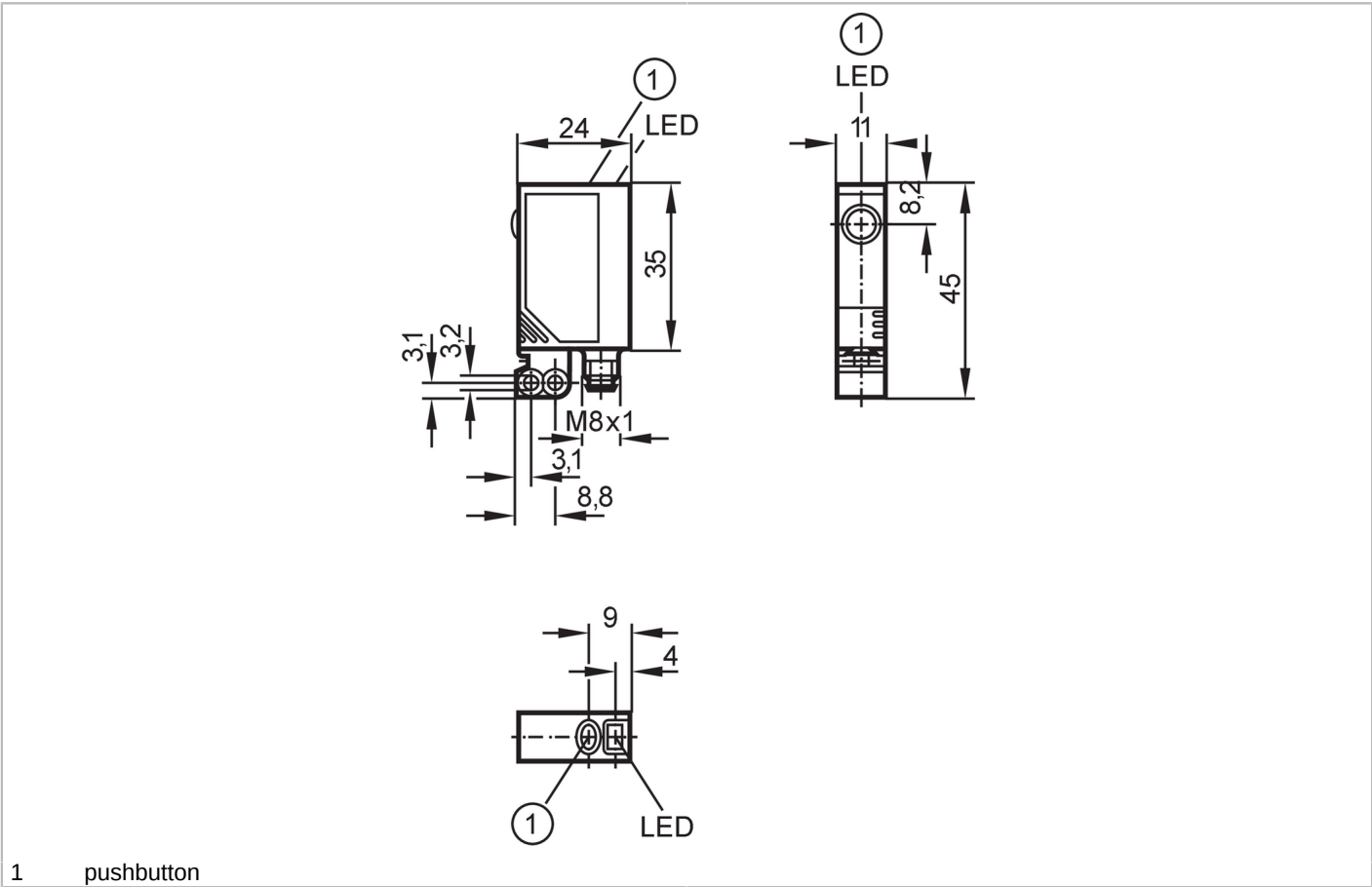




Through-beam laser sensor receiver

OJELFPKG/SO/AS



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



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	yes (non-latching)
Overload protection	yes

Monitoring range	
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
Material	housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS
Lens material	front lens: glass
Lens alignment	Side sensing

Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	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	cULus - Class 2 source required
Pack quantity	1 pcs.

Electrical connection

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

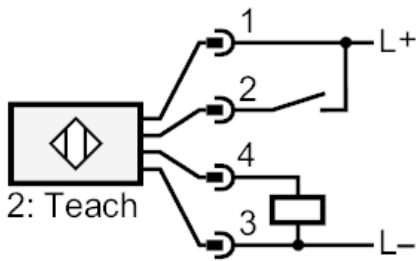




Through-beam laser sensor receiver

OJELFPKG/SO/AS

Connection



2 Teach

Diagrams and graphs

excess gain graph

