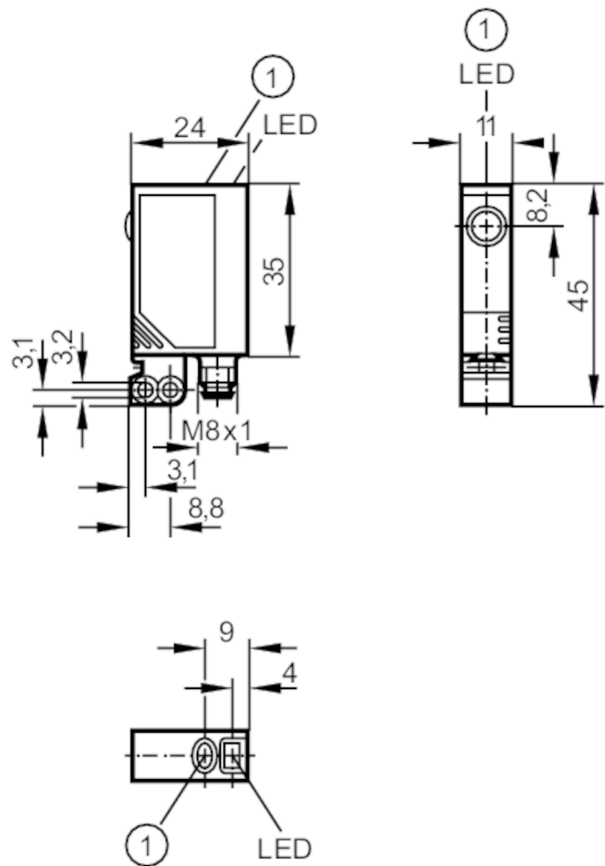


OJ5031



Through-beam sensor receiver

OJE-FPKG/SO/AS



1 pushbutton



Application

Function principle

Through-beam sensor

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



Through-beam sensor receiver

OJE-FPKG/SO/AS

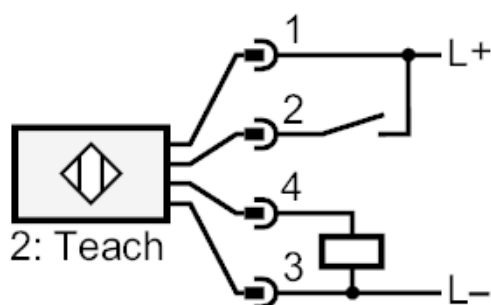
Outputs		
Electrical design	PNP	
Output function	light-on/dark-on mode; (programmable)	
Max. voltage drop switching output DC [V]	2.5	
Permanent current rating of switching output DC [mA]	200	
Switching frequency DC [Hz]	1200	
Short-circuit protection	yes	
Type of short-circuit protection	pulsed	
Overload 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]	39.6	
Housing	rectangular	
Dimensions [mm]	35 x 11 x 24	
Materials	housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS	
Lens material	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		
Accessories (supplied)	Basic clip: 1 x, E20964	
	screws: 2 x x M3 x 16	
	spring washers: 2 x	
	Nuts: 2 x	
Remarks		
Remarks	operating voltage "supply class 2" according to cULus	
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M8		

Through-beam sensor receiver

OJE-FPKG/SO/AS



Connection



2

Teach



Through-beam sensor receiver

OJE-FPKG/SO/AS

Diagrams and graphs

excess gain graph

