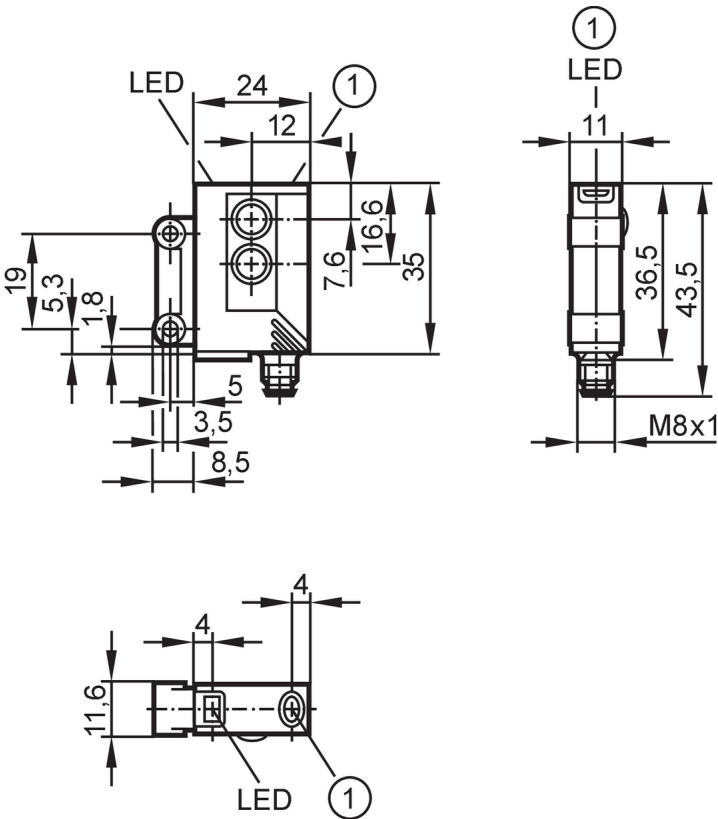




Diffuse reflection sensor

OJB-FPKG/FO/AS



1 pushbutton



Product characteristics

Type of light	red light
Housing	rectangular

Application

Function principle	Diffuse reflection sensor
Application	Industrial applications

Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 22
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]	2000



Diffuse reflection sensor

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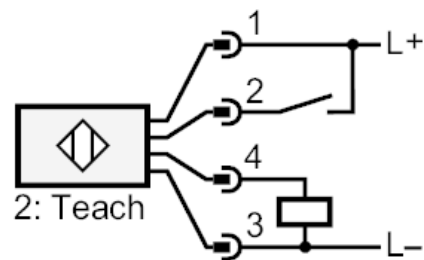
Short-circuit protection	yes	
Type of short-circuit protection	yes (non-latching)	
Overload protection	yes	
Monitoring range		
Range [mm]	1...600; (white paper 200 x 200 mm 90 % remission)	
Range adjustable	yes	
Max. light spot diameter [mm]	60	
Light spot dimensions refer to	at maximum range	
Operating conditions		
Ambient temperature [°C]	-25...60	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	867	
Mechanical data		
Weight [g]	39.6	
Housing	rectangular	
Dimensions [mm]	35 x 24 x 11	
Material	housing: ABS; LED window: SEPS; pushbutton: SEPS	
Lens material	front lens:glass	
Lens alignment	Front 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	
	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		
		



Diffuse reflection sensor

OJB-FPKG/FO/AS

Connection



2 Teach

Diagrams and graphs

excess gain graph

