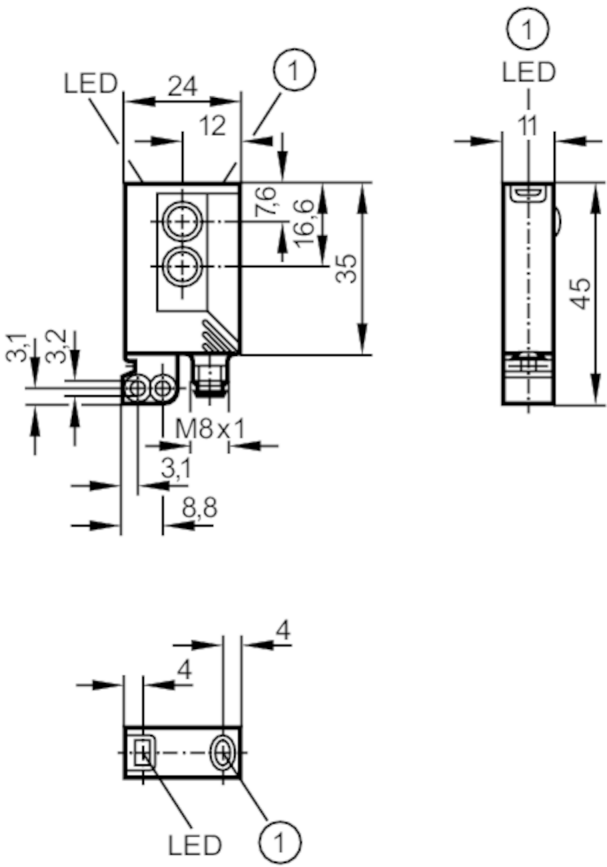




Diffuse reflection sensor

OJB-FPKG/FO/AS



1 pushbutton



Product characteristics

Type of light	Infrared light
Housing	rectangular
Dimensions [mm]	35 x 24 x 11

Application

Function principle	Diffuse reflection sensor
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Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 32
Protection class	III
Reverse polarity protection	yes
Type of light	Infrared light
Wave length [nm]	880



Diffuse reflection sensor

OJB-FPKG/FO/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]	2000	
Short-circuit protection	yes	
Type of short-circuit protection	yes (non-latching)	
Overload protection	yes	
Monitoring range		
Range [mm]	1...1000; (white paper 200 x 200 mm 90 % remission)	
Range adjustable	yes	
Max. light spot diameter [mm]	150	
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]	864	
Mechanical data		
Weight [g]	40.3	
Housing	rectangular	
Dimensions [mm]	35 x 24 x 11	
Material	housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS	
Lens material	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	Basic clip: 1, E20964	
	screws: 2 x M3 x 16	
	spring washers: 2	
	Nuts: 2	
Remarks		
Remarks	cULus - Class 2 source required	
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M8		

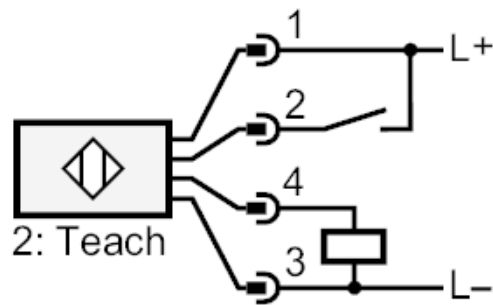
OJ5070

Diffuse reflection sensor

OJB-FPKG/FO/AS



Connection



2

Teach



Diffuse reflection sensor

OJB-FPKG/FO/AS

Diagrams and graphs

excess gain graph

