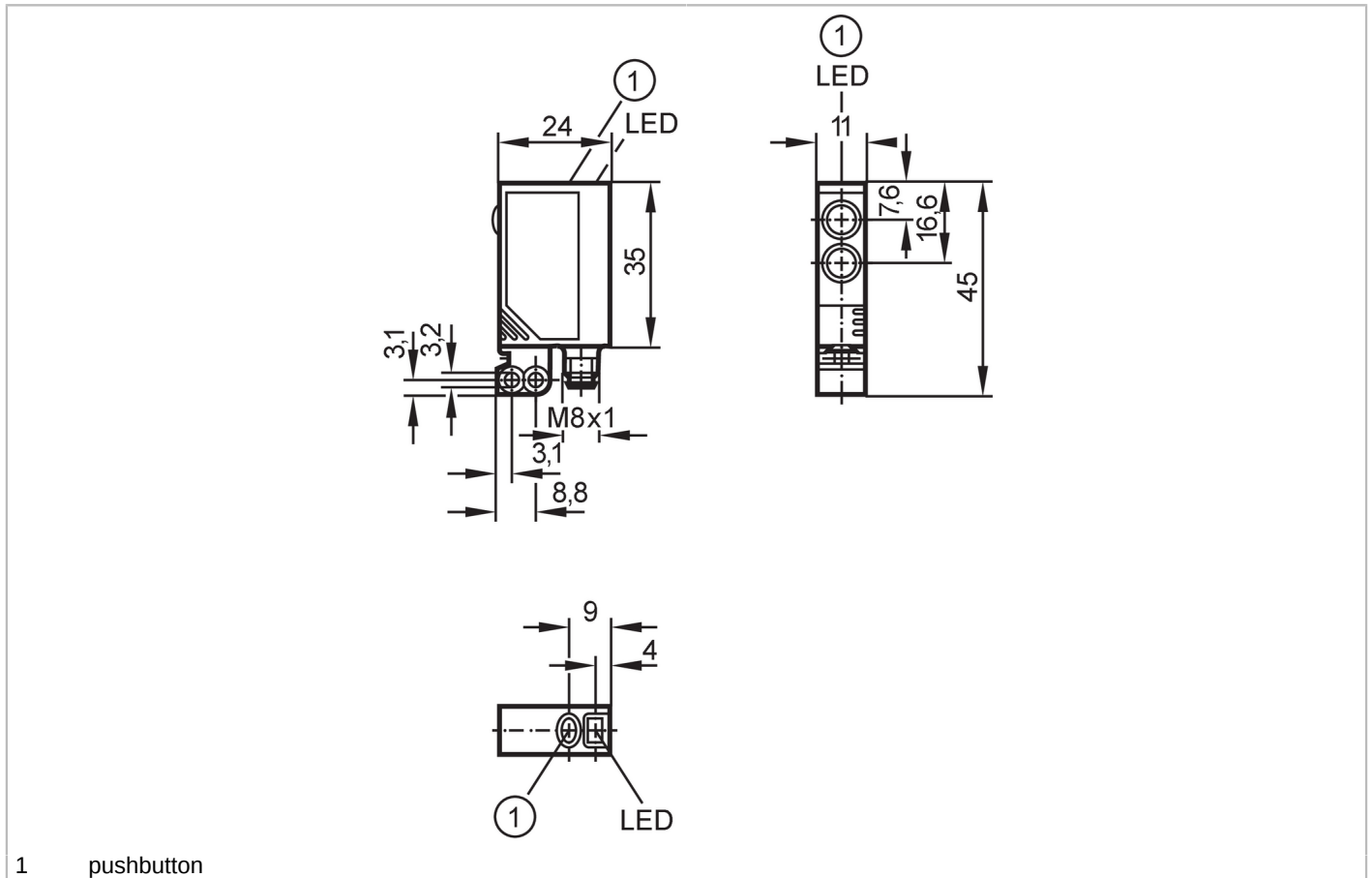




Diffuse reflection sensor

OJB-FNKG/SO/IAS



1 pushbutton



Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Function principle		Diffuse reflection sensor
Application		Industrial applications / factory automation
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		NPN
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

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Switching frequency DC [Hz]	2000
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone	
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]	897

Mechanical data	
Weight [g]	27.3
Housing	rectangular
Dimensions [mm]	35 x 11 x 24
Materials	housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS
Lens material	front pane: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	
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	

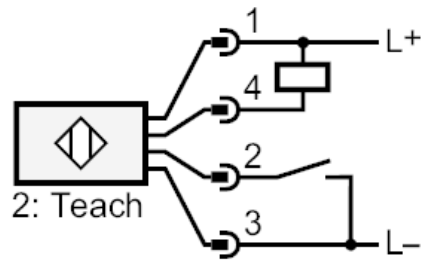
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Connection



Diagrams and graphs

excess gain graph

