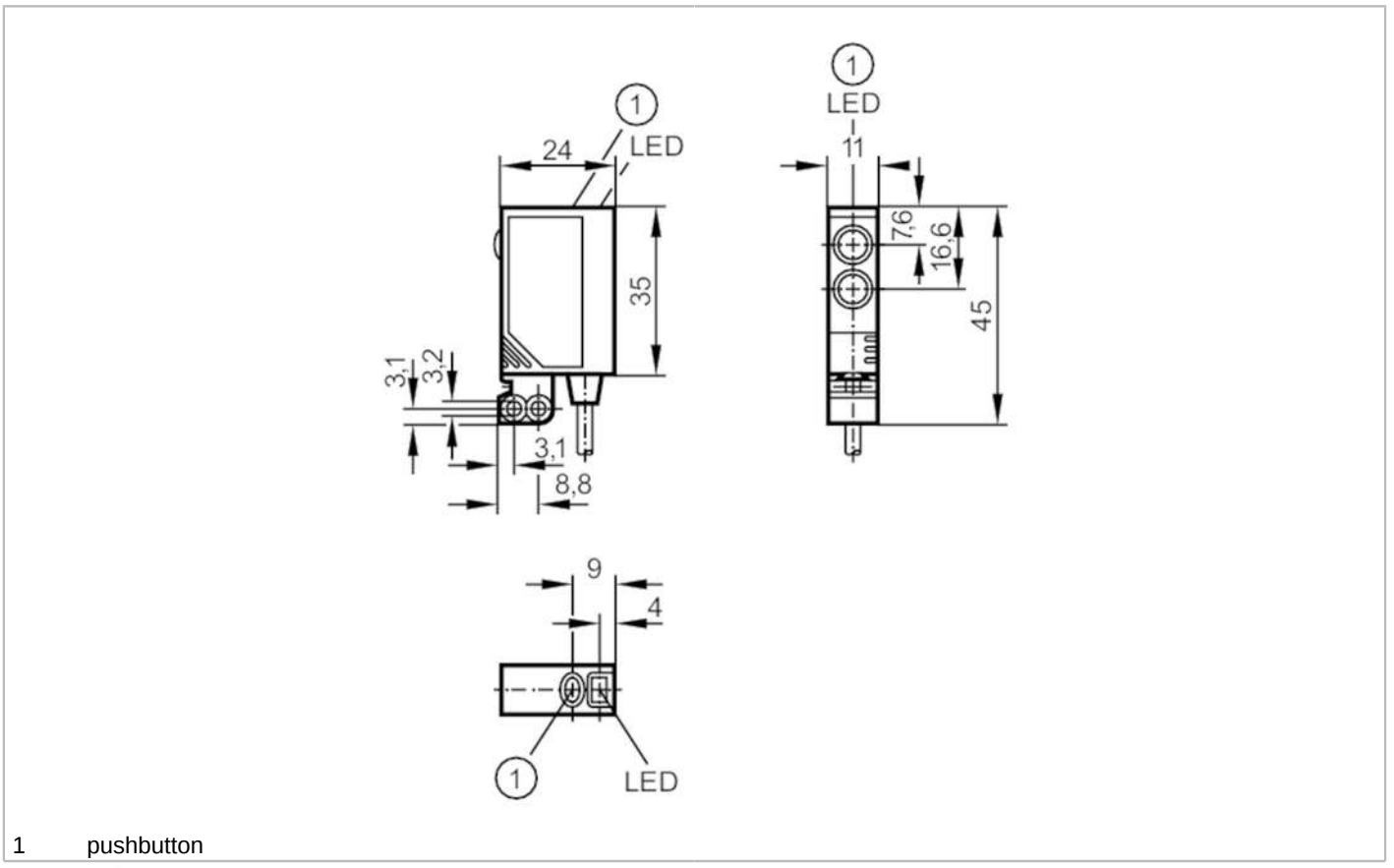
OJ5024

Diffuse reflection sensor

OJB-FPKG/SO



1 pushbutton

Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Function principle		Diffuse reflection sensor
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
Short-circuit protection		yes

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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]		854
Mechanical data			
Weight	[g]		73.7
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			
Items supplied			Basic clip: 1, E20964
			screws: 2 x M3 x 16
			spring washers: 2
			Nuts: 2
Remarks			
Remarks			operating voltage "supply class 2" according to cULus
Pack quantity			1 pcs.

OJ5024

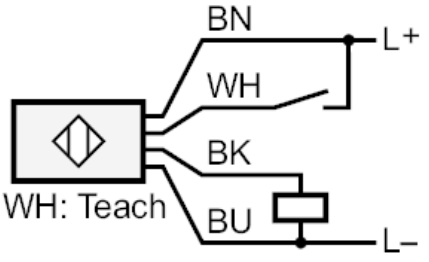
Diffuse reflection sensor

OJB-FPKG/SO

Electrical connection

Cable: 2 m, PVC; 4 x 0.14 mm²

Connection



	Core colours :
BK =	black
BN =	brown
BU =	blue
WH =	white

Diagrams and graphs

excess gain graph

