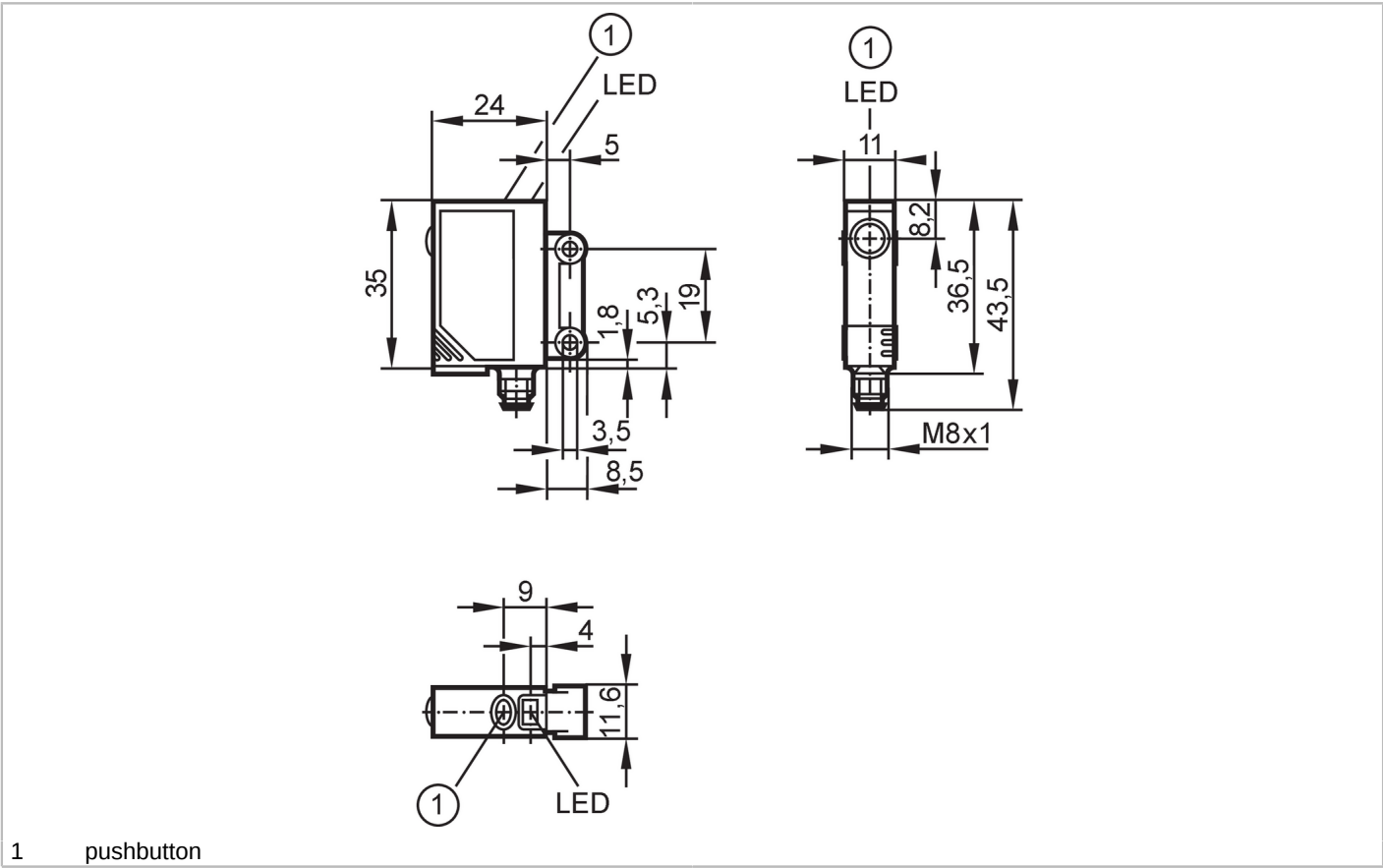




Retro-reflective sensor for the detection of transparent objects

OJPGFNKG/SO/AS



Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Special feature		polarization filter
Function principle		Retro-reflective sensor
Application		High switching frequency for fast processes
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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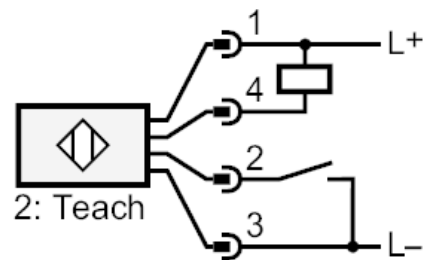
Switching frequency DC	[Hz]	2000
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Monitoring range		
Range referred to prismatic reflector	[m]	0.2...1.5; (Prismatic reflector 50 x 50 mm E20722)
Range adjustable		yes
Max. light spot diameter	[mm]	64
Light spot dimensions refer to		at maximum range
Polarization filter available		yes
Operating conditions		
Ambient temperature	[°C]	0...60
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	897
Mechanical data		
Weight	[g]	36.8
Housing		rectangular
Dimensions	[mm]	35 x 11 x 24
Material		housing: ABS; LED window: SEPS; pushbutton: SEPS
Lens material		front lens: glass
Lens alignment		Side 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		



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Connection



Diagrams and graphs

excess gain graph

