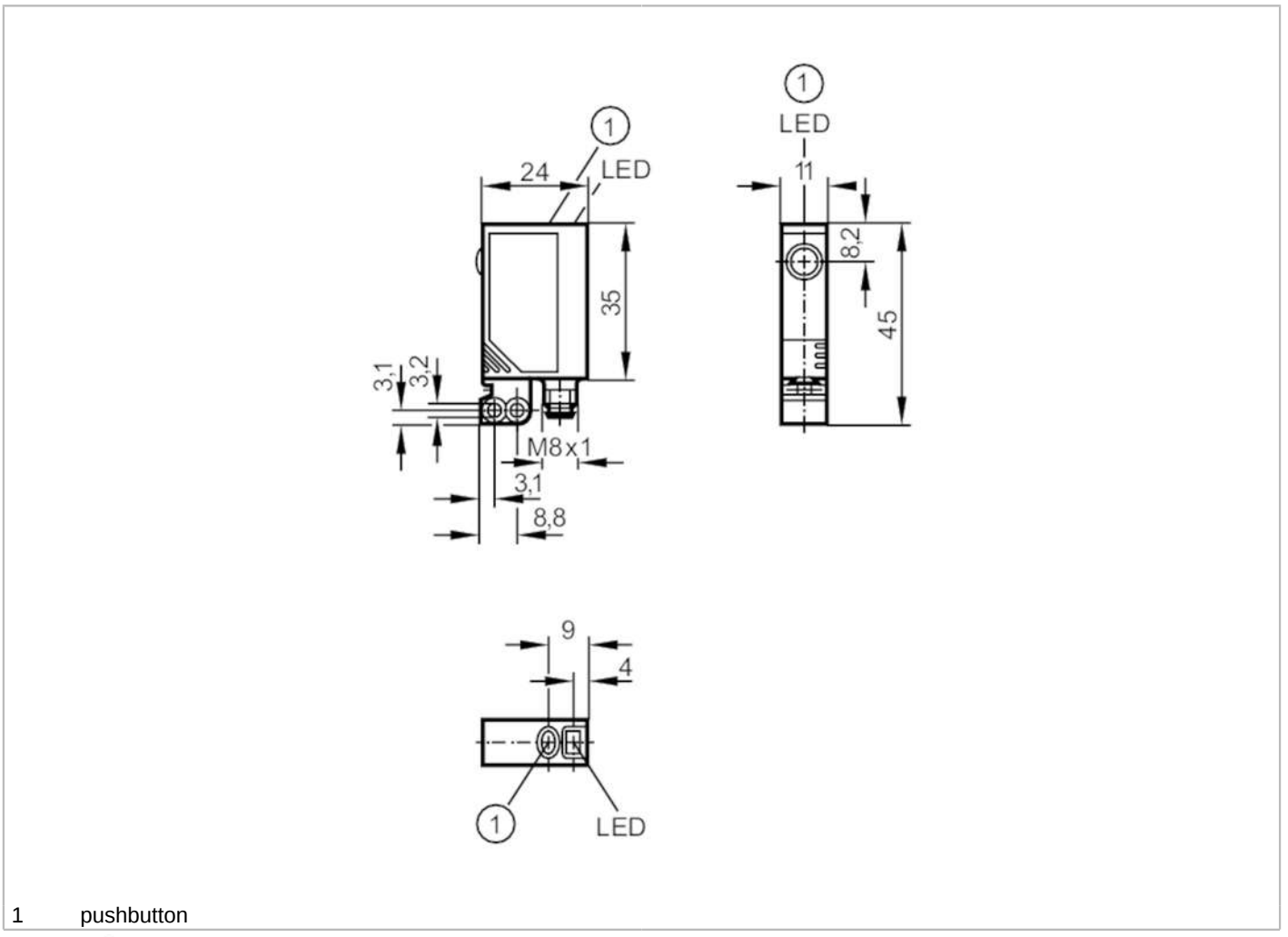
OJ5027

Retro-reflective sensor

OJP-FNKG/SO/AS



1 pushbutton

Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Special feature		polarisation filter
Function principle		Retro-reflective 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		NPN
Output function		light-on/dark-on mode; (programmable)

OJ5027

Retro-reflective sensor

OJP-FNKG/SO/AS

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		pulsed
Overload protection		yes
Detection zone		
Range referred to prismatic reflector [m]		0...2; (Prismatic reflector Ø 80 E20005)
Range adjustable		yes
Max. light spot diameter [mm]		64
Light spot dimensions refer to		at maximum range
Polarisation filter available		yes
Operating conditions		
Ambient temperature [°C]		-25...60
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]		897
Mechanical data		
Weight [g]		38.8
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.

OJ5027

Retro-reflective sensor

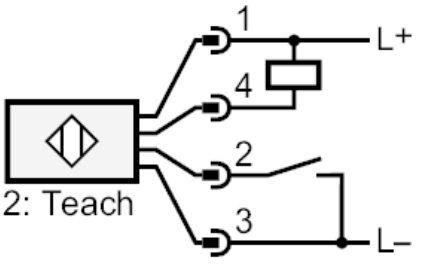
OJP-FNKG/SO/AS

Electrical connection

Connector: 1 x M8; coding: A



Connection



OJ5027

Retro-reflective sensor

OJP-FNKG/SO/AS

Diagrams and graphs

excess gain graph

