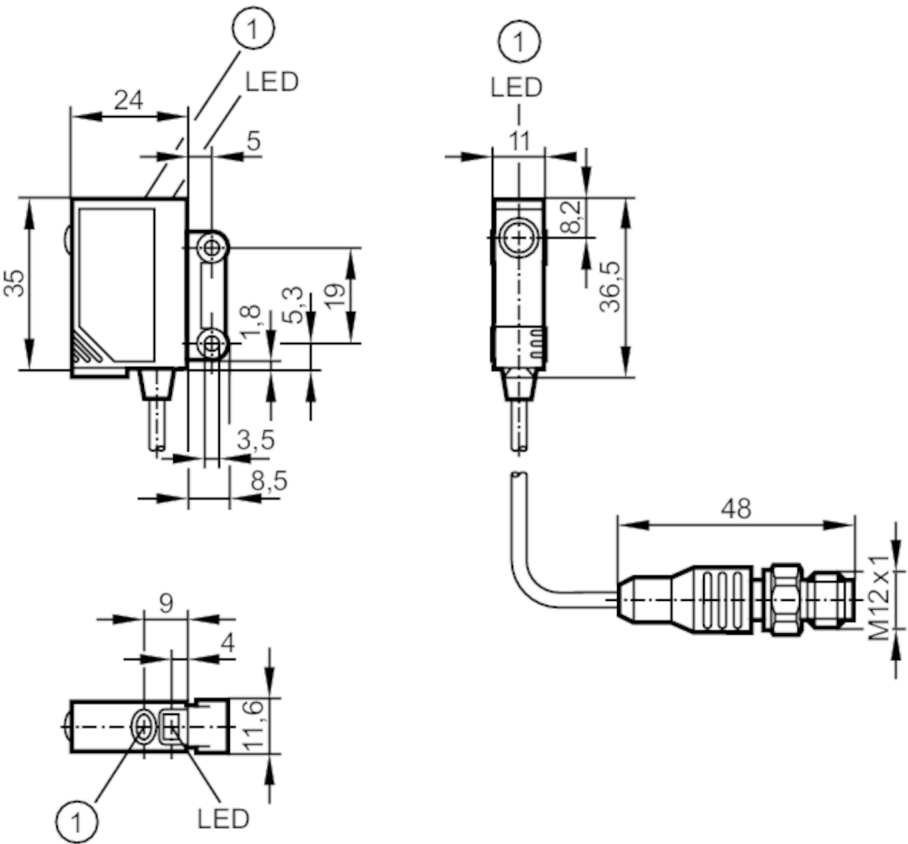




Retro-reflective sensor for the detection of transparent objects

OJPGFPKG/SO/0,15M/US



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		PNP
Output function		light-on/dark-on mode; (programmable)
Max. voltage drop switching output DC	[V]	2.5



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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...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
Polarisation filter available		yes

Operating conditions

Ambient temperature	[°C]	0...60
Protection		IP 67

Tests / approvals

EMC		EN 60947-5-2
MTTF	[years]	854

Mechanical data

Weight	[g]	40.8
Housing		rectangular
Dimensions	[mm]	35 x 11 x 24
Materials		housing: ABS; 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

Accessories

Items supplied	screws: 2
	spring washers: 2
	Nuts: 2

Remarks

Remarks	operating voltage "supply class 2" according to cULus
Pack quantity	1 pcs.

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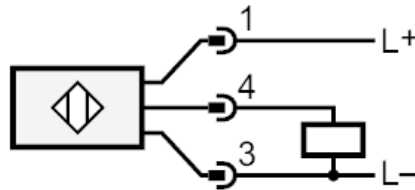
Electrical connection

Cable: 0.15 m, PVC

Connector: 1 x M12; coding: A



Connection





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Diagrams and graphs

excess gain graph

