



Through-beam laser sensor receiver

OJELFPKG/SO/AS



1 pushbutton



Product characteristics		
Type of light		red light
Laser protection class		1
Housing		rectangular
Application		
Function principle		Through-beam sensor
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 12
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	650
Typ. lifetime	[h]	50000
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]	1200
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

Monitoring range		
Transmitter / receiver		receiver
Range	[m]	< 1
Range adjustable		yes
Diameter of the smallest detectable object	[mm]	0.8

Operating conditions		
Ambient temperature	[°C]	-10...60
Protection		IP 67

Tests / approvals		
EMC	EN 60947-5-2	
Laser protection class		1
Notes on laser protection	Caution:	Laser light
	laser class:	1
		EN / IEC60825-1:2007
		EN / IEC60825-1:2014
		Complies with 21 CFR 1040 except for deviations pursuant to Laser Notice No. 50, dated June 2007.
MTTF	[years]	952

Mechanical data		
Weight	[g]	27.25
Housing		rectangular
Dimensions	[mm]	35 x 11 x 24
Material		housing: ABS; LED window: SEPS; pushbutton: SEPS
Lens material		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.

OJ5142



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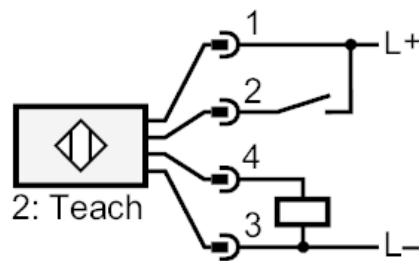
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Electrical connection

Connector: 1 x M8; coding: A



Connection



2 Teach