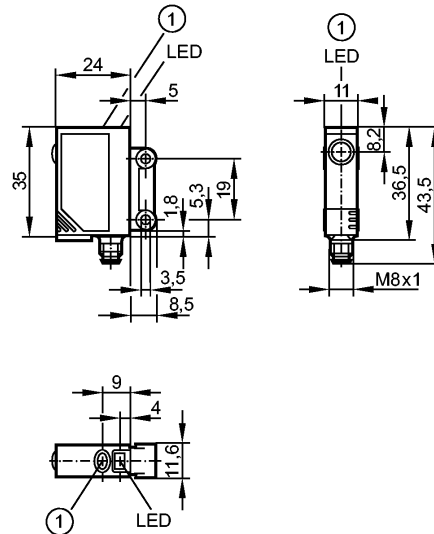


OJ5142

OJELFPKG/SO/AS

Photoelectric sensors



1: pushbutton

Made in Germany


Product characteristics

Through-beam sensor

Rectangular, plastics

Connector

Electronic lock

Visible laser light, LASER CLASS 1

External teach function

Side sensing

Receiver

Sensing range 1m

adjustable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 12
Type of light	Red light 650 nm
Life expectancy typ. [h]	50000
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	light-on / dark-on programmable
Voltage drop [V]	< 2.5
Current rating [mA]	200
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	1200

Range

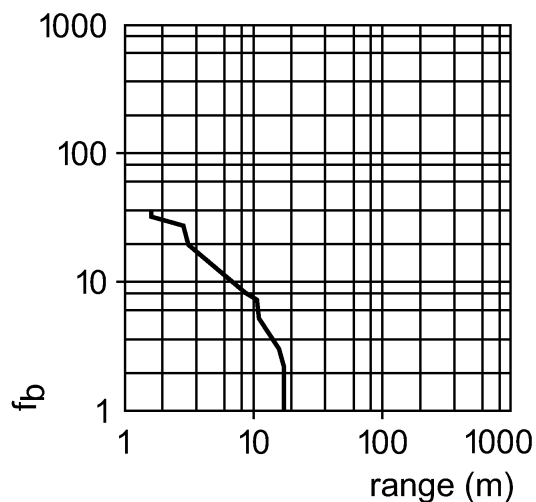
Sensing range [m]	1
Smallest detectable object [Ø in mm]	Ø 0.8

OJ5142

OJELFPKG/SO/AS

Photoelectric sensors

Excess gain graphs



Environment

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

Tests / approvals

EMC		EN 60947-5-2
MTTF	[Years]	952

Mechanical data

Housing materials		housing: ABS; LED window: SEPS; pushbutton: SEPS
Lens material		glass
Weight	[kg]	0.041

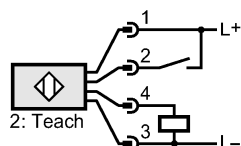
Displays / operating elements

Output status indication	LED	yellow
Operation	LED	green
Function display	LED	Red

Electrical connection

Connection		M8 connector
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Wiring



Accessories

Accessories (included)		2 mounting screws; 2 spring washers; 2 nuts
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Remarks

Remarks		cULus - Class 2 source required
Pack quantity	[piece]	1