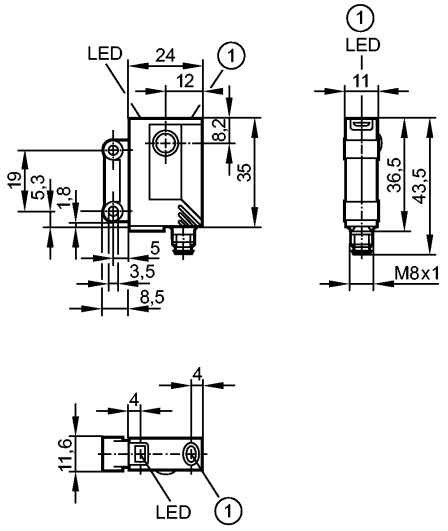
efector200

OJ5114

OJPLFPKG/FO/AS

Photoelectric sensors



1: pushbutton

Made in Germany

Product characteristics
Retro-reflective sensor
Rectangular, plastics
Connector
Electronic lock
Retro-reflective LASER sensor
Polarisation filter
Visible laser light, LASER CLASS 1
External teach function
Front sensing
Sensing range 8m (Prismatic reflector 50 x 50 mm (E20722))
adjustable

Electrical data		
Electrical design		DC PNP
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 15
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]	2000

Range		
Sensing range	[m]	8 (Prismatic reflector 50 x 50 mm (E20722))

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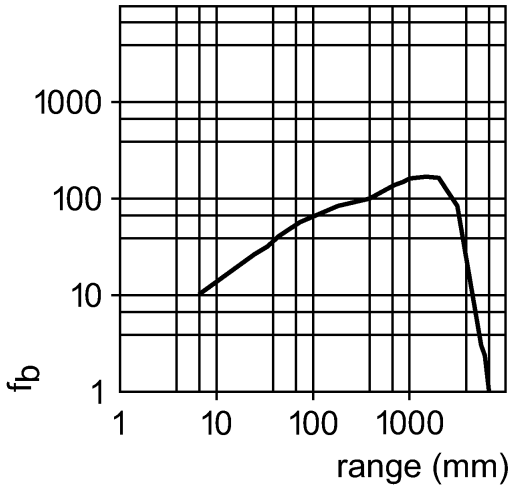
Smallest detectable object [Ø in mm]		Ø 2.5mm (0.1m) Ø 4mm (2.5m) Ø 8mm (5m)
Light spot diameter	[mm]	< 12 (at maximum range)

Excess gain graphs



Environment

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

Tests / approvals

EMC		EN 60947-5-2
MTTF	[Years]	706

Mechanical data

Housing materials		housing: ABS; LED window: SEPS; pushbutton: SEPS
Lens material		glass
Weight	[kg]	0.042

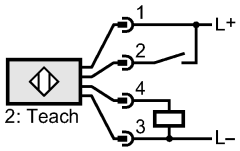
Displays / operating elements

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

Electrical connection

Connection		M8 connector

Wiring



Accessories

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

Remarks

Remarks	Laser light CLASS 1 LASER PRODUCT IEC 60825-1 : 2007 cULus - Class 2 source required

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Photoelectric sensors

Pack quantity	[piece]	1