

1: pushbutton



Product characteristics

Retro-reflective sensor

Rectangular, plastics

Quick disconnect

Electronic lock

Retro-reflective LASER sensor

Polarization 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

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

2000

Monitoring range

Sensing range [m]

8 (Prismatic reflector 50 x 50 mm (E20722))

Smallest detectable object [mm]

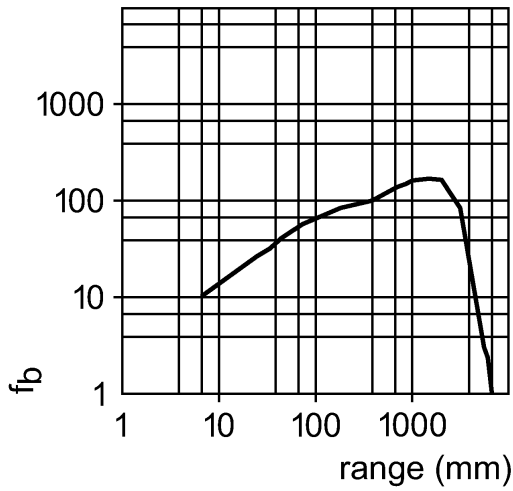
Ø 2.5mm (0.1m) Ø 4mm (2.5m) Ø 8mm (5m)

Light spot diameter [mm]

< 12 (at maximum range)

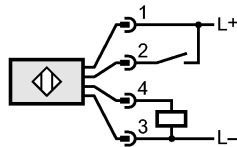
Excess gain graphs

OJ5114 - Retro-reflective sensor - eclass: 27270902 / 27-27-09-02



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
Power LED	green
Function display LED	red
Electrical connection	
Connection	M8 connector

Wiring



2: Teach

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
Pack quantity [piece]	1