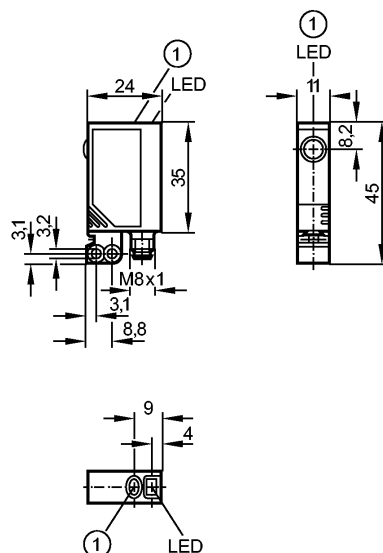




1: pushbutton



#### Product characteristics

Retro-reflective sensor

Rectangular, plastics

Quick disconnect

Electronic lock

Retro-reflective LASER sensor

Polarization filter

Laser protection class 1

External teach function

Side sensing

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

adjustable

#### Electrical data

##### Electrical design

Operating voltage [V]

Current consumption [mA]

Type of light

Life expectancy typ. [h]

Protection class

Reverse polarity protection

DC PNP

10...30 DC

< 15

red light 650 nm

50000

III

yes

##### Outputs

Output function

Voltage drop [V]

Current rating [mA]

Short-circuit protection

Overload protection

Switching frequency [Hz]

light-on / dark-on programmable

< 2.5

200

yes (non-latching)

yes

2000

##### Monitoring range

Sensing range [m]

Smallest detectable object [mm]

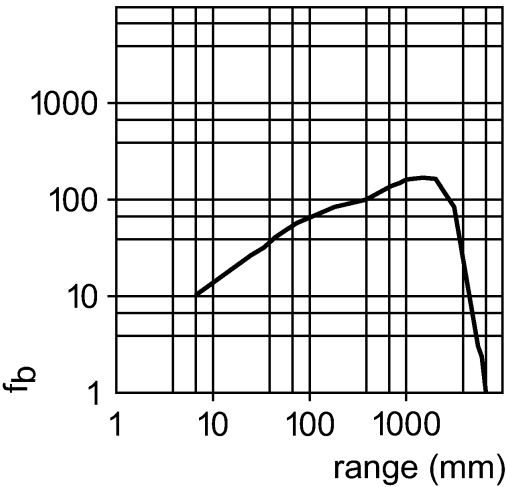
Light spot diameter [mm]

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

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

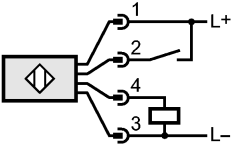
< 12 ( at maximum range )

Excess gain graphs



|                               |                                                                         |
|-------------------------------|-------------------------------------------------------------------------|
| Environment                   |                                                                         |
| Ambient temperature [°C]      | -10...60                                                                |
| Protection                    | IP 67                                                                   |
| Tests / approvals             |                                                                         |
| EMC                           | EN 60947-5-2                                                            |
| MTTF [Years]                  | 697                                                                     |
| Mechanical data               |                                                                         |
| Housing materials             | housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS |
| Lens material                 | glass                                                                   |
| Weight [kg]                   | 0.045                                                                   |
| 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) | Basic clip; E20964; 2 mounting screws; M3 x 16; 2 spring washers; 2 nuts                                                                                                                                |
| Remarks                |                                                                                                                                                                                                         |
| Remarks                | Laser light<br>CLASS 1 LASER PRODUCT<br>IEC 60825-1 : 2007<br>complies with 21 CFR 1040.10 except for deviations<br>pursuant to Laser Notice No. 50, dated June 2007<br>cULus - Class 2 source required |
| Pack quantity [piece]  | 1                                                                                                                                                                                                       |