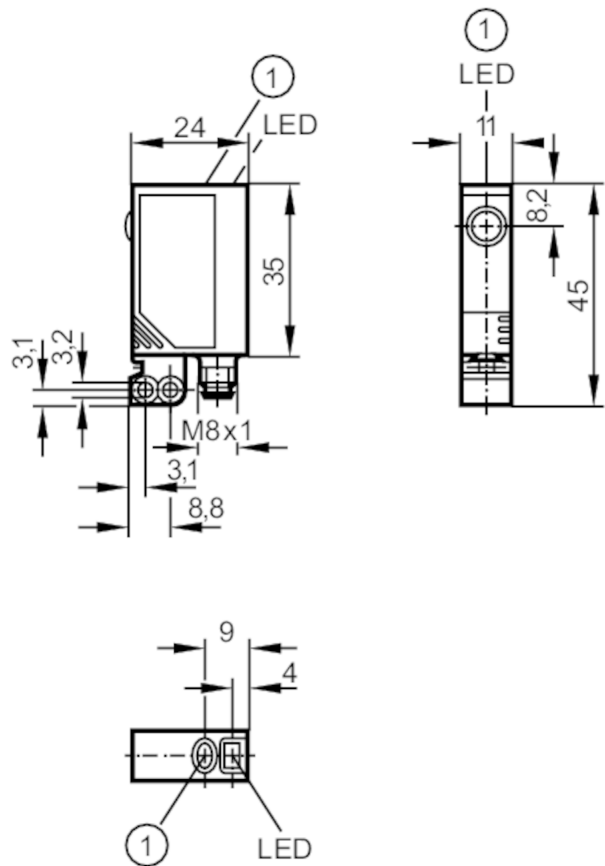




Through-beam laser sensor receiver

OJELFPKG/SO/AS



1 pushbutton



| Product characteristics     |                                       |            |
|-----------------------------|---------------------------------------|------------|
| Type of light               | red light                             |            |
| 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) |            |



## Through-beam laser sensor receiver

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|                                                 |                  |                                                                         |
|-------------------------------------------------|------------------|-------------------------------------------------------------------------|
| Max. voltage drop switching output DC           | [V]              | 2.5                                                                     |
| 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                                                                     |
| <b>Monitoring range</b>                         |                  |                                                                         |
| Transmitter / receiver                          |                  | receiver                                                                |
| Range                                           | [m]              | < 15                                                                    |
| Range adjustable                                |                  | yes                                                                     |
| Diameter of the smallest detectable object      | [mm]             | 2                                                                       |
| <b>Operating conditions</b>                     |                  |                                                                         |
| Ambient temperature                             | [°C]             | -10...60                                                                |
| Protection                                      |                  | IP 67                                                                   |
| <b>Tests / approvals</b>                        |                  |                                                                         |
| EMC                                             |                  | EN 60947-5-2                                                            |
| MTTF                                            | [years]          | 952                                                                     |
| <b>Mechanical data</b>                          |                  |                                                                         |
| Weight                                          | [g]              | 26.85                                                                   |
| Housing                                         |                  | rectangular                                                             |
| Dimensions                                      | [mm]             | 35 x 11 x 24                                                            |
| Material                                        |                  | housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS |
| Lens material                                   |                  | glass                                                                   |
| Lens alignment                                  |                  | Side sensing                                                            |
| <b>Displays / operating elements</b>            |                  |                                                                         |
| Display                                         | Switching status | 1 x LED, yellow                                                         |
|                                                 | Power            | 1 x LED, green                                                          |
|                                                 | Function         | 1 x LED, red                                                            |
| Electronic lock                                 |                  | yes                                                                     |
| <b>Accessories</b>                              |                  |                                                                         |
| Items supplied                                  |                  | screws: 2 x (M3 x 16 mm)                                                |
|                                                 |                  | Basic clip: 1, E20964                                                   |
|                                                 |                  | spring washers: 2                                                       |
|                                                 |                  | Nuts: 2                                                                 |
| <b>Remarks</b>                                  |                  |                                                                         |
| Remarks                                         |                  | cULus - Class 2 source required                                         |
| Pack quantity                                   |                  | 1 pcs.                                                                  |



## Through-beam laser sensor receiver

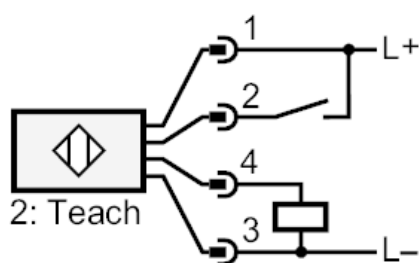
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### Electrical connection

Connector: 1 x M8; coding: A



### Connection



2 Teach

**Through-beam laser sensor receiver**

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**Diagrams and graphs**

excess gain graph

