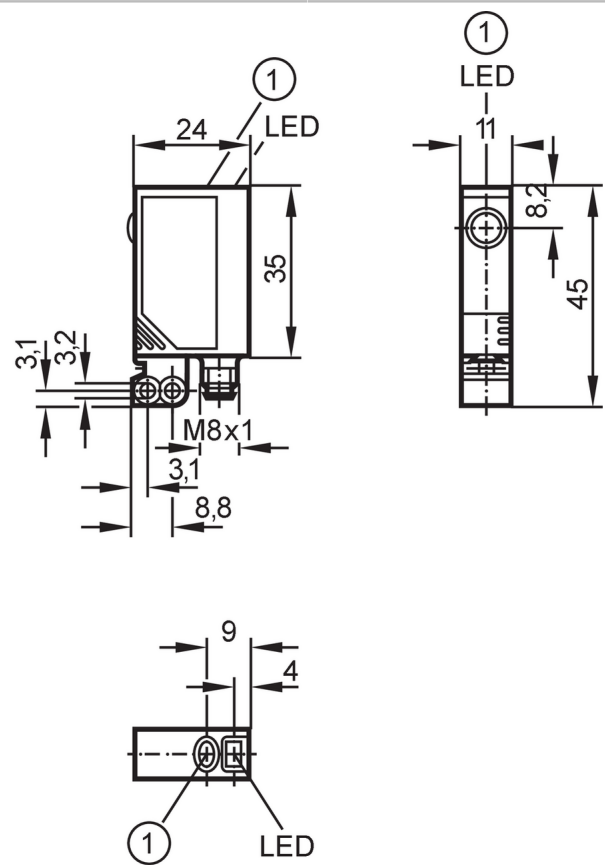




Through-beam sensor receiver

OJE-FPKG/SO/AS



1 pushbutton



Product characteristics

|               |             |
|---------------|-------------|
| Type of light | red light   |
| Housing       | rectangular |

Application

|                    |                         |
|--------------------|-------------------------|
| Function principle | Through-beam sensor     |
| Application        | Industrial applications |

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] | 660        |

Outputs

|                                                 |      |                                       |
|-------------------------------------------------|------|---------------------------------------|
| Electrical design                               |      | PNP                                   |
| Output function                                 |      | light-on/dark-on mode; (programmable) |
| Max. voltage drop switching output DC           | [V]  | 2.5                                   |
| Permanent current rating of switching output DC | [mA] | 200                                   |



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|                                  |      |                    |
|----------------------------------|------|--------------------|
| Switching frequency DC           | [Hz] | 1200               |
| Short-circuit protection         |      | yes                |
| Type of short-circuit protection |      | yes (non-latching) |
| Overload protection              |      | yes                |

## Monitoring range

|                        |     |          |
|------------------------|-----|----------|
| Transmitter / receiver |     | receiver |
| Range                  | [m] | < 10     |
| Range adjustable       |     | yes      |

## Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...60 |
| Protection          |      | IP 67    |

## Tests / approvals

|      |         |              |
|------|---------|--------------|
| EMC  |         | EN 60947-5-2 |
| MTTF | [years] | 952          |

## Mechanical data

|                |      |                                                                         |
|----------------|------|-------------------------------------------------------------------------|
| Weight         | [g]  | 26.8                                                                    |
| Housing        |      | rectangular                                                             |
| Dimensions     | [mm] | 35 x 11 x 24                                                            |
| Material       |      | housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS |
| Lens material  |      | front lens: glass                                                       |
| Lens alignment |      | Side sensing                                                            |

## Displays / operating elements

|                 |                  |                 |
|-----------------|------------------|-----------------|
| Display         | Switching status | 1 x LED, yellow |
|                 | Power            | 1 x LED, green  |
|                 | Function         | 1 x LED, red    |
| Electronic lock |                  | yes             |

## Accessories

|                |                          |
|----------------|--------------------------|
| Items supplied | screws: 2 x (M3 x 16 mm) |
|                | Basic clip: 1, E20964    |
|                | spring washers: 2        |
|                | Nuts: 2                  |

## Remarks

|               |                                 |
|---------------|---------------------------------|
| Remarks       | cULus - Class 2 source required |
| Pack quantity | 1 pcs.                          |

## Electrical connection

Connector: 1 x M8; coding: A; Contacts: 4

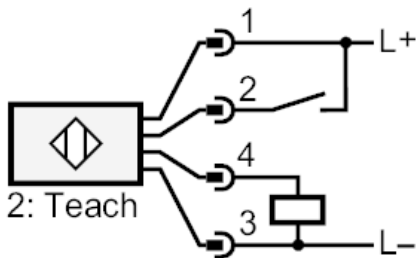




Through-beam sensor receiver

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Connection



2 Teach

Diagrams and graphs

excess gain graph

