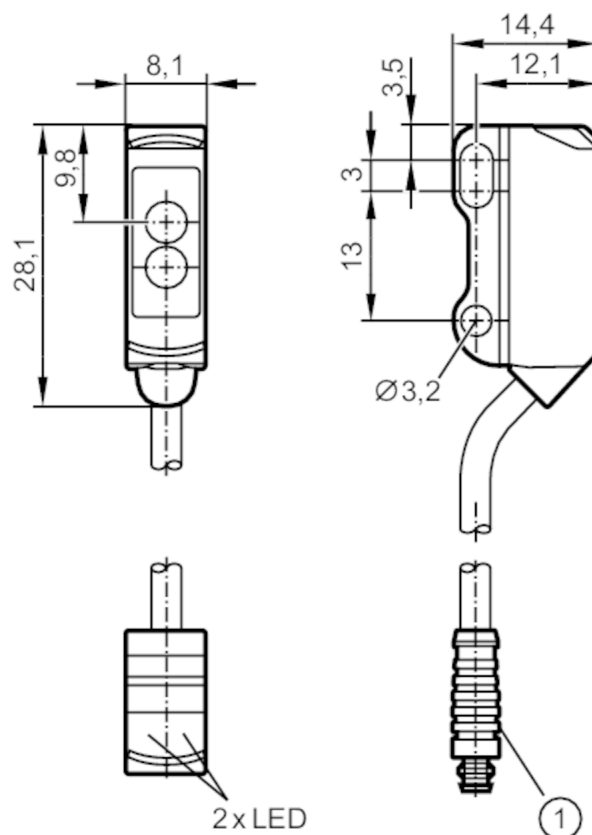


### Through-beam sensor receiver

O8E-DPKG/IO-Link/0,30M/AS/3P



1 receiver in upper lens  
illustration (example)



## Application

|                             |                     |
|-----------------------------|---------------------|
| Function principle          | Through-beam sensor |
| <b>Electrical data</b>      |                     |
| Operating voltage [V]       | 10...30 DC          |
| Current consumption [mA]    | 15; ((24 V))        |
| Protection class            | III                 |
| Reverse polarity protection | yes                 |
| Type of light               | red light           |
| Wave length [nm]            | 633                 |



## Through-beam sensor receiver

O8E-DPKG/IO-Link/0,30M/AS/3P

| Outputs                                              |                                                                                           |                 |
|------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------|
| Electrical design                                    | PNP                                                                                       |                 |
| Output function                                      | dark-on mode                                                                              |                 |
| Max. voltage drop switching output DC [V]            | 2.5                                                                                       |                 |
| Permanent current rating of switching output DC [mA] | 100                                                                                       |                 |
| Switching frequency DC [Hz]                          | 1000                                                                                      |                 |
| Short-circuit protection                             | yes                                                                                       |                 |
| Type of short-circuit protection                     | pulsed                                                                                    |                 |
| Detection zone                                       |                                                                                           |                 |
| Transmitter / receiver                               | receiver                                                                                  |                 |
| Range [m]                                            | < 3                                                                                       |                 |
| Interfaces                                           |                                                                                           |                 |
| Communication interface                              | IO-Link                                                                                   |                 |
| Transmission type                                    | COM2 (38.4 kBaud)                                                                         |                 |
| IO-Link revision                                     | 1.1                                                                                       |                 |
| SDCI standard                                        | IEC 61131-9                                                                               |                 |
| IO-Link device ID                                    | 787 d / 00 03 13 h                                                                        |                 |
| Profiles                                             | Smart Sensor: Device Identification; Device Diagnosis; Teach Channel; Binary Data Channel |                 |
| SIO mode                                             | yes                                                                                       |                 |
| Required master port type                            | A                                                                                         |                 |
| Operating conditions                                 |                                                                                           |                 |
| Ambient temperature [°C]                             | -25...60                                                                                  |                 |
| Protection                                           | IP 65; IP 67                                                                              |                 |
| Tests / approvals                                    |                                                                                           |                 |
| EMC                                                  | EN 60947-5-2                                                                              |                 |
| MTTF [years]                                         | 1152                                                                                      |                 |
| Mechanical data                                      |                                                                                           |                 |
| Weight [g]                                           | 21                                                                                        |                 |
| Housing                                              | rectangular                                                                               |                 |
| Dimensions [mm]                                      | 28.1 x 8.1 x 14.4                                                                         |                 |
| Materials                                            | housing: ABS; stainless steel (1.4404 / 316L)                                             |                 |
| Lens material                                        | PMMA                                                                                      |                 |
| Lens alignment                                       | side lens                                                                                 |                 |
| Displays / operating elements                        |                                                                                           |                 |
| Display                                              | switching status                                                                          | 1 x LED, yellow |
|                                                      | operation                                                                                 | 1 x LED, green  |
| Remarks                                              |                                                                                           |                 |
| Pack quantity                                        | 1 pcs.                                                                                    |                 |

## Through-beam sensor receiver

O8E-DPKG/IO-Link/0,30M/AS/3P

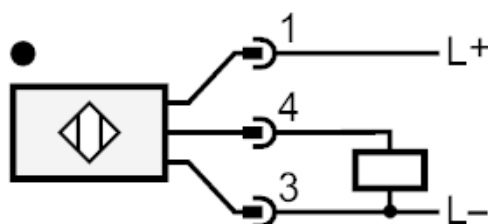
### Electrical connection

Cable: 0.3 m, PVC, black, Ø 2.9 mm; 3 x 0.08 mm<sup>2</sup>

Connector: 1 x M8

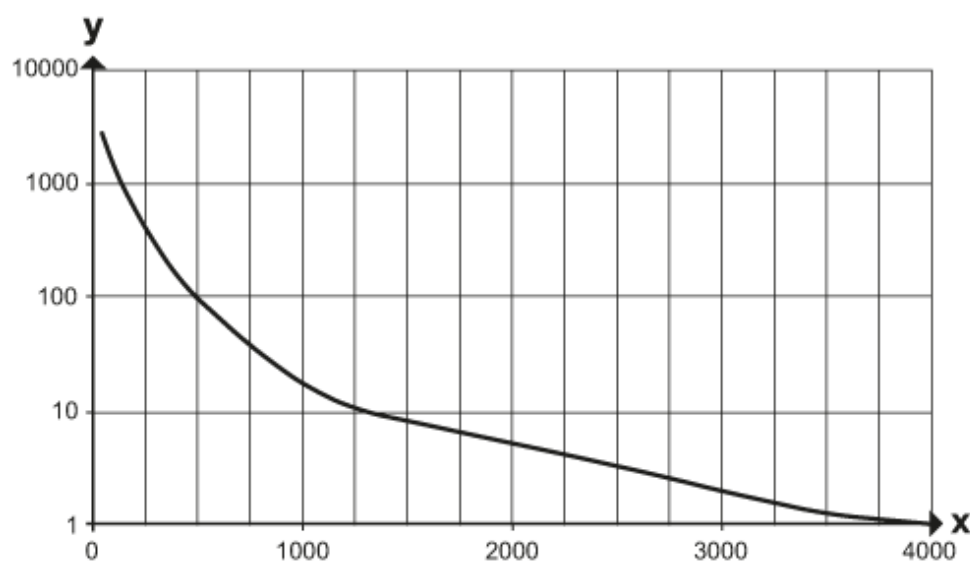


### Connection



### Diagrams and graphs

excess gain graph



x: Abstand [mm]

y: Funktionsreservefaktor