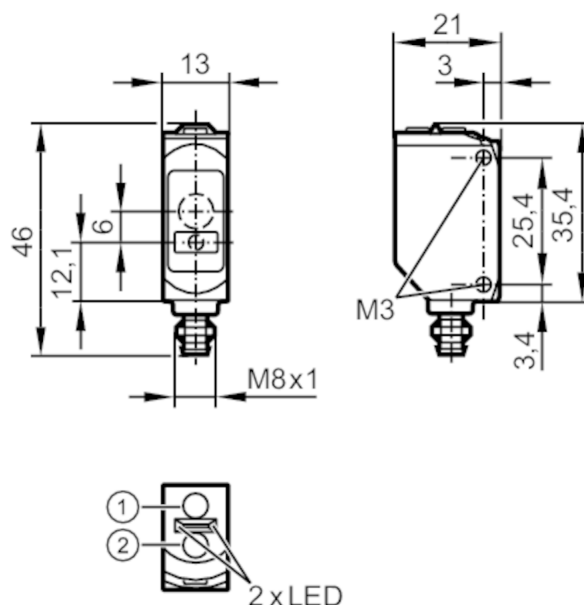


## Retro-reflective sensor

O6PLFPKG/AS/4P



- 1 programming buttons  
receiver in upper lens, transmitter in lower lens



## Product characteristics

|                        |             |
|------------------------|-------------|
| Type of light          | red light   |
| Laser protection class | 1           |
| Housing                | rectangular |

## Application

|                    |                         |
|--------------------|-------------------------|
| Function principle | Retro-reflective sensor |
|--------------------|-------------------------|

## Electrical data

|                             |      |            |
|-----------------------------|------|------------|
| 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] | 650        |

## Outputs

|                                                 |      |                                     |
|-------------------------------------------------|------|-------------------------------------|
| Electrical design                               |      | PNP                                 |
| Output function                                 |      | light-on/dark-on mode; (selectable) |
| Max. voltage drop switching output DC           | [V]  | 2.5                                 |
| Permanent current rating of switching output DC | [mA] | 100                                 |
| Switching frequency DC                          | [Hz] | 1000                                |
| Type of short-circuit protection                |      | pulsed                              |



## Retro-reflective sensor

O6PLFPKG/AS/4P

| Detection zone                  |                              |                                                                                                   |
|---------------------------------|------------------------------|---------------------------------------------------------------------------------------------------|
| Range                           | [m]                          | 0.075...8; (Prismatic reflector 50 x 50 mm E20722)                                                |
| Max. light spot diameter        | [mm]                         | 17                                                                                                |
| Light spot dimensions refer to  |                              | at maximum range                                                                                  |
| Interfaces                      |                              |                                                                                                   |
| Communication interface         |                              | IO-Link                                                                                           |
| Transmission type               |                              | COM2 (38,4 kBaud)                                                                                 |
| IO-Link revision                |                              | 1.1                                                                                               |
| SDCI standard                   |                              | IEC 61131-9                                                                                       |
| Profiles                        |                              | Smart Sensor: Device Identification; Device Diagnosis; Teach Channel; Switching Channel           |
| SIO mode                        |                              | yes                                                                                               |
| Required master port type       |                              | A                                                                                                 |
| Min. process cycle time         | [ms]                         | 2.5                                                                                               |
| IO-Link process data (cyclical) | function                     | bit length                                                                                        |
|                                 | process value                | 8                                                                                                 |
|                                 | device status                | 4                                                                                                 |
|                                 | binary switching information | 1                                                                                                 |
| IO-Link functions (acyclical)   |                              | application specific tag; operating hours counter; switching cycles counter                       |
| Supported DeviceIDs             | Type of operation            | DeviceID                                                                                          |
|                                 | Default                      | 525                                                                                               |
| Operating conditions            |                              |                                                                                                   |
| Ambient temperature             | [°C]                         | -10...60                                                                                          |
| Protection                      |                              | IP 65; IP 67                                                                                      |
| Tests / approvals               |                              |                                                                                                   |
| EMC                             | EN 60947-5-2                 |                                                                                                   |
| Laser protection class          |                              | 1                                                                                                 |
| Notes on laser protection       | Caution:                     | laser light                                                                                       |
|                                 | laser class:                 | 1                                                                                                 |
|                                 |                              | EN / IEC60825-1:2007                                                                              |
|                                 |                              | EN / IEC60825-1:2014                                                                              |
|                                 |                              | Complies with 21 CFR 1040 except for deviations pursuant to Laser Notice No. 50, dated June 2007. |
| MTTF                            | [years]                      | 636                                                                                               |
| Mechanical data                 |                              |                                                                                                   |
| Weight                          | [g]                          | 19.3                                                                                              |
| Housing                         |                              | rectangular                                                                                       |
| Dimensions                      | [mm]                         | 46 x 13 x 21                                                                                      |
| Materials                       |                              | housing: ABS; PPSU; Sealing: EPDM                                                                 |
| Lens material                   |                              | PMMA                                                                                              |
| Lens alignment                  |                              | side lens                                                                                         |
| Tightening torque               | [Nm]                         | 0.5; (screws)                                                                                     |
| Displays / operating elements   |                              |                                                                                                   |
| Display                         | switching status             | 1 x LED, yellow                                                                                   |
|                                 | operation                    | 1 x LED, green                                                                                    |

# O6P702



## Retro-reflective sensor

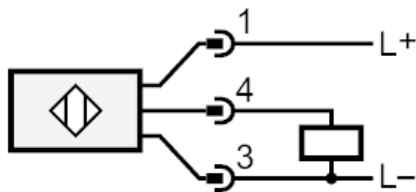
O6PLFPKG/AS/4P

| Remarks       |                                                       |
|---------------|-------------------------------------------------------|
| Remarks       | operating voltage "supply class 2" according to cULus |
| Pack quantity | 1 pcs.                                                |

| Electrical connection        |
|------------------------------|
| Connector: 1 x M8            |
| Electrical connection - plug |

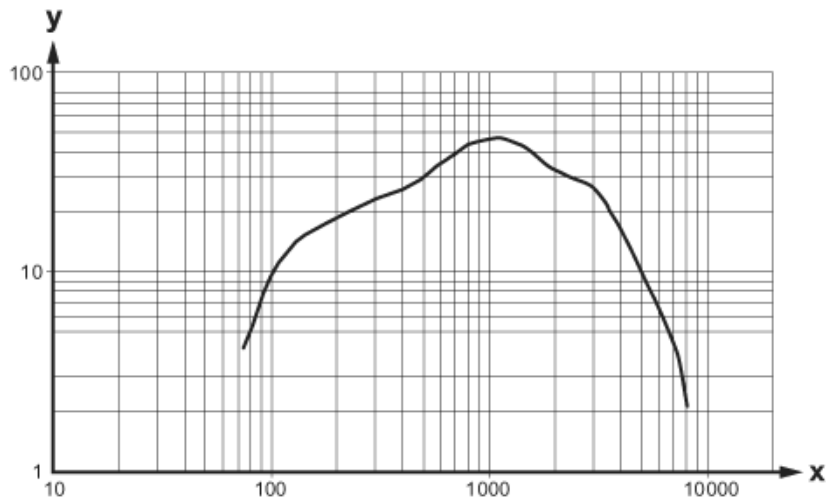


### Connection



4 OUT / IO-Link

### Diagrams and graphs



x: Abstand [mm]  
y: Funktionsreservefaktor