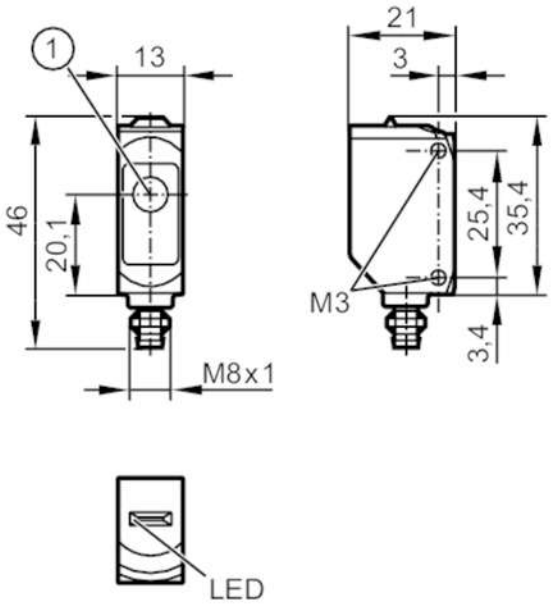
# O6S202

## Through-beam sensor transmitter

O6S-OOKG/AS/3P




1: light emission

| | | | |
|---|---|---|---|
| **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] | 11;  ((24 V)) | |
| Protection class | | III | |
| Type of light | | red light | |
| Wave length | [nm] | 633 | |
| **Detection zone** | | | |
| Transmitter / receiver | | transmitter | |
| Range | [m] | < 10 | |
| Max. light spot diameter | [mm] | 300 | |
| Light spot dimensions refer to | | at maximum range | |
| **Operating conditions** | | | |
| Ambient temperature | [°C] | -25...60 | |
| Protection | | IP 65; IP 67 | |
| **Tests / approvals** | | | |
| EMC | | EN 60947-5-2 | |
| MTTF | [years] | 2600 | |
| UL approval | | UL Approval no. | E002 |

# O6S202

## Through-beam sensor transmitter

O6S-OOKG/AS/3P

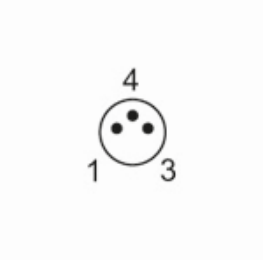
| Mechanical data | | |
|---|---|---|
| Weight | [g] | 17.7 |
| Housing | | rectangular |
| Dimensions | [mm] | 35.4 x 13 x 21 |
| Materials | | housing: ABS; PPSU |
| Lens material | | PMMA |
| Lens alignment | | side lens |
| Sealing material | | EPDM |
| Tightening torque | [Nm] | 0.5 |

| Displays / operating elements | | |
|---|---|---|
| Display | operation | 1 x LED, green |

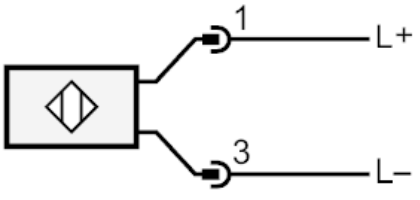
| Remarks | |
|---|---|
| Remarks | operating voltage "supply class 2" according to cULus |
| Pack quantity | 1 pcs. |

**Electrical connection**

Connector: 1 x M8; coding: A; Locking: brass, coated; Sealing: EPDM




Connection



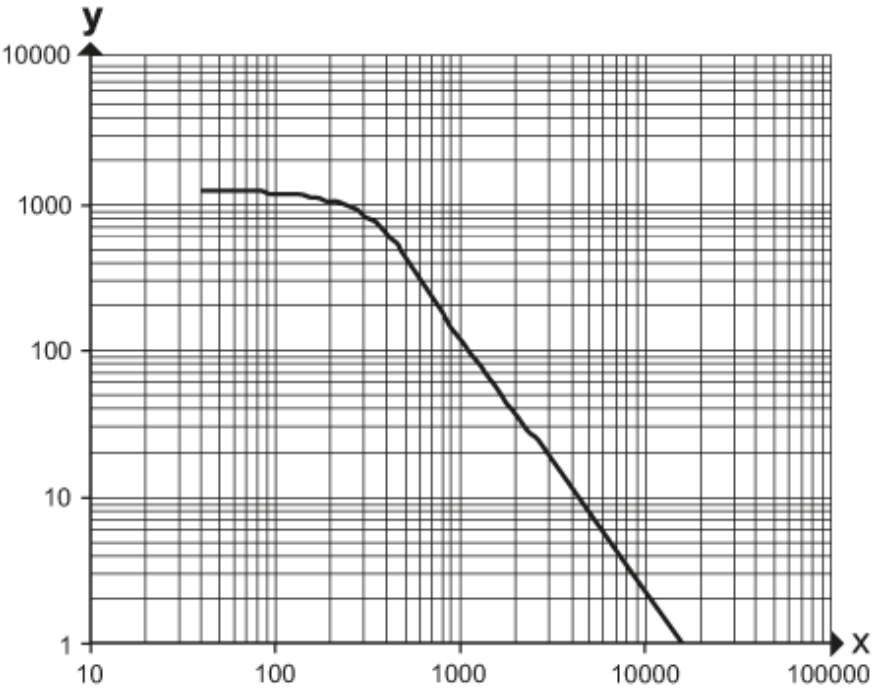
# O6S202

## Through-beam sensor transmitter

**O6S-OOKG/AS/3P**

## Diagrams and graphs

excess gain graph




x: distance [mm]

y: excess gain factor