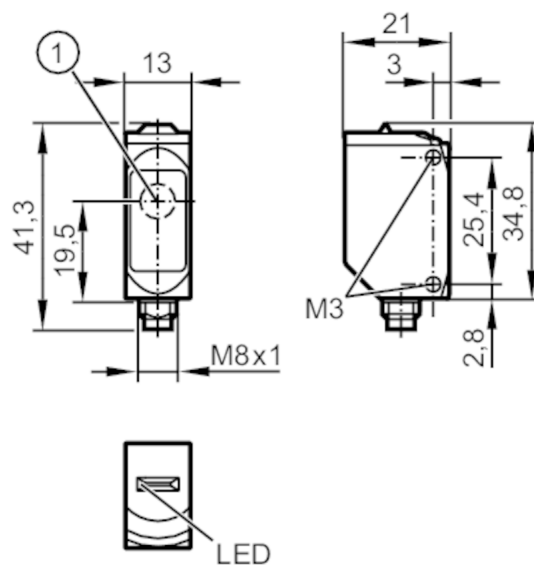


# O6S303



## Through-beam sensor transmitter

O6S-00KG/AS/4P



1 light emission



### 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...80                    |
| Protection          |      | IP 65; IP 67; IP 68; IP 69K |

### Tests / approvals

|             |                 |      |
|-------------|-----------------|------|
| EMC         | EN 60947-5-2    |      |
| MTTF        | [years]         | 2600 |
| UL approval | UL Approval no. | E002 |

# O6S303



## Through-beam sensor transmitter

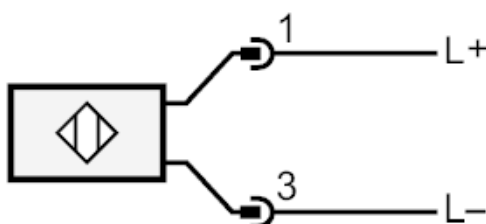
O6S-00KG/AS/4P

| Mechanical data               |           |                                                                         |
|-------------------------------|-----------|-------------------------------------------------------------------------|
| Weight                        | [g]       | 35.8                                                                    |
| Housing                       |           | rectangular                                                             |
| Dimensions                    | [mm]      | 34.8 x 13 x 21                                                          |
| Materials                     |           | housing: stainless steel (1.4404 / 316L); plastics: PPSU; Sealing: EPDM |
| Lens material                 |           | PMMA                                                                    |
| Lens alignment                |           | side lens                                                               |
| 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



### Connection

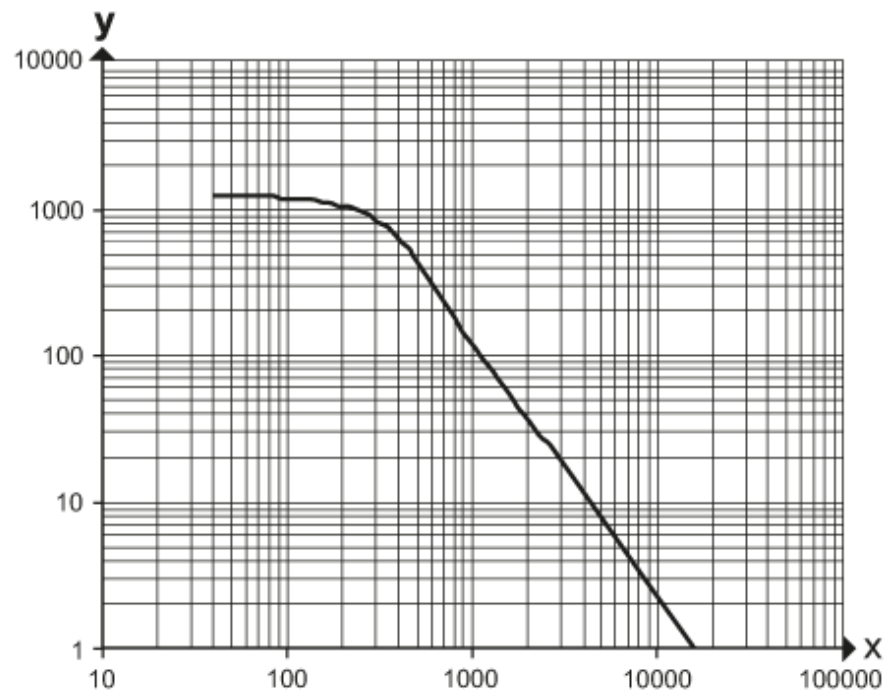


## Through-beam sensor transmitter

O6S-OOKG/AS/4P

### Diagrams and graphs

excess gain graph



x: Abstand [mm]

y: Funktionsreservefaktor