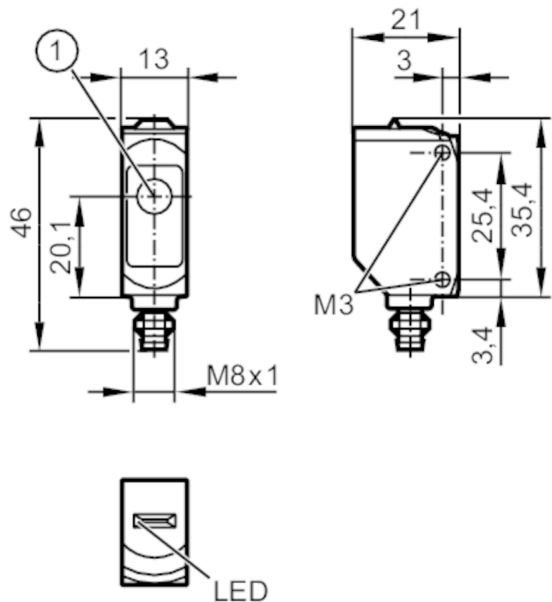


# O6S202



## Through-beam sensor transmitter

O6S-00KG/AS/3P



1: Sensing surface



### 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          |

### Monitoring range

|                                |      |                  |
|--------------------------------|------|------------------|
| 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         |



Through-beam sensor transmitter

O6S-00KG/AS/3P

|             |                    |             |
|-------------|--------------------|-------------|
| UL approval | Ta                 | -25...40 °C |
|             | Enclosure type     | Type 1      |
|             | voltage supply     | Class 2     |
|             | UL approval number | E002        |

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

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

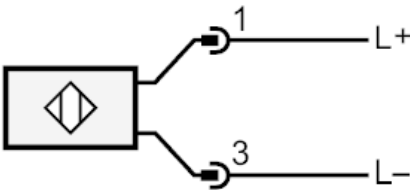
| Remarks       |  |                                 |
|---------------|--|---------------------------------|
| Remarks       |  | cULus - Class 2 source required |
| Pack quantity |  | 1 pcs.                          |

Electrical connection

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



Connection



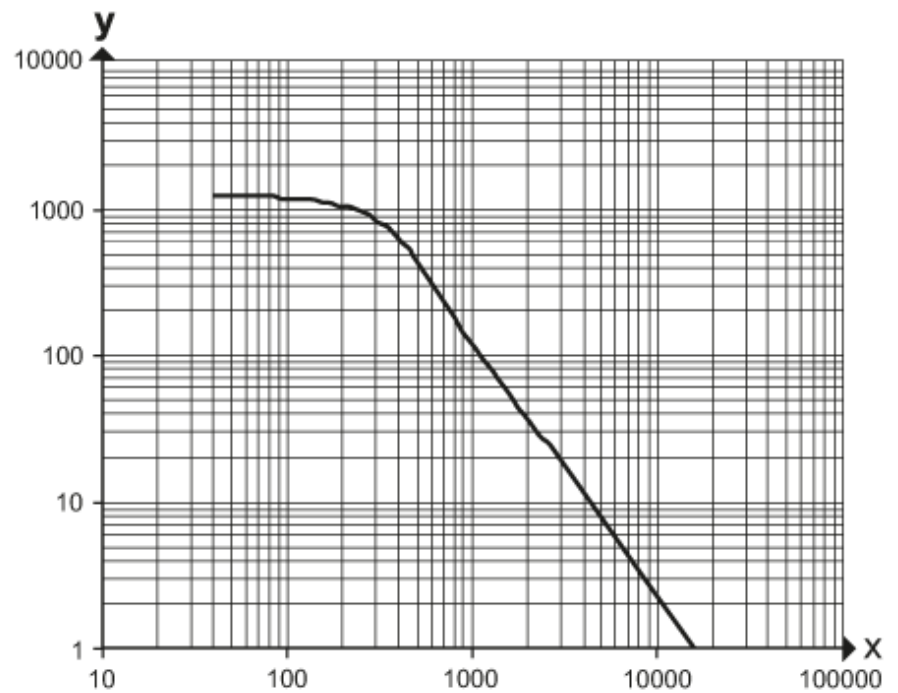


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## Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor