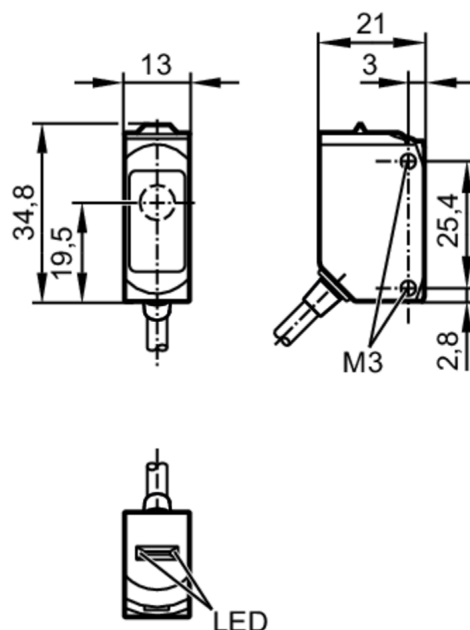


# O6S300



## Through-beam sensor transmitter

O6S-00KG



### 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...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. E004 |

# O6S300



## Through-beam sensor transmitter

O6S-00KG

| Mechanical data   |      |                                                                       |
|-------------------|------|-----------------------------------------------------------------------|
| Weight            | [g]  | 76.4                                                                  |
| Housing           |      | rectangular                                                           |
| Materials         |      | housing: stainless steel (316L/1.4404); plastics: PPSU; Sealing: EPDM |
| Lens material     |      | PMMA                                                                  |
| Lens alignment    |      | side lens                                                             |
| Tightening torque | [Nm] | 1; (screws)                                                           |

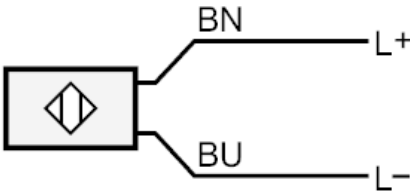
| Displays / operating elements |           |                |
|-------------------------------|-----------|----------------|
| Display                       | operation | 1 x LED, green |

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

### Electrical connection

Cable: 2 m, PVC; 2 x 0.25 mm<sup>2</sup>

### Connection



BN = Core colours : brown  
BU = blue

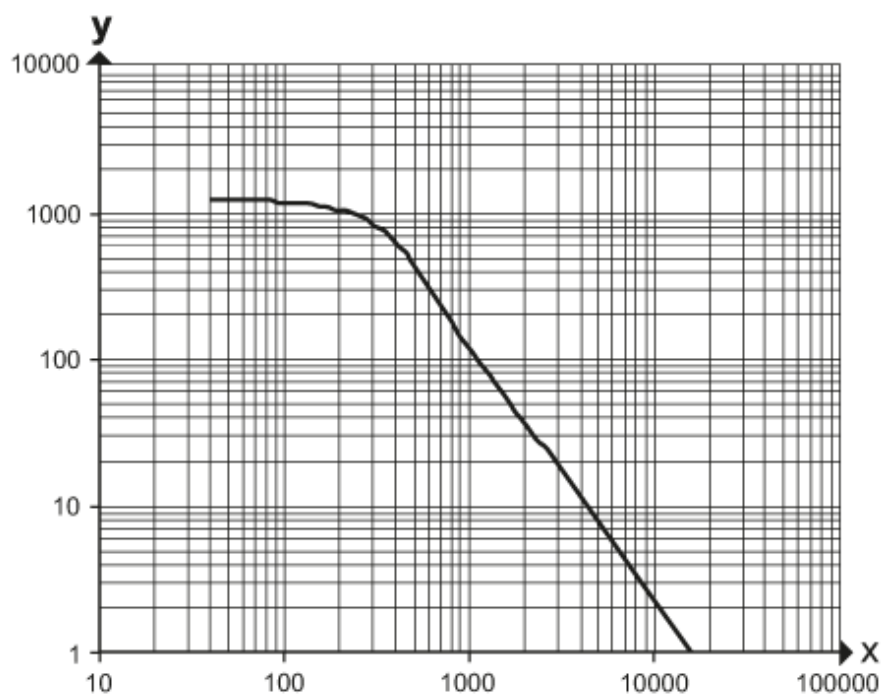


## Through-beam sensor transmitter

O6S-00KG

### Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor