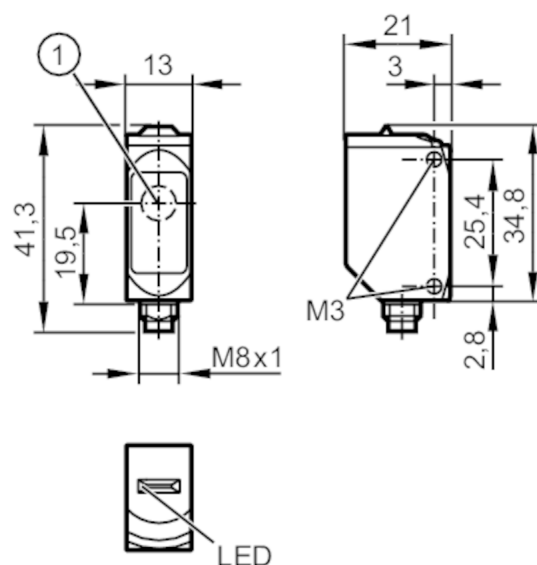


## Through-beam sensor transmitter

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...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 |

## Mechanical data

|        |     |      |
|--------|-----|------|
| Weight | [g] | 33.7 |
|--------|-----|------|

# O6S302



## Through-beam sensor transmitter

O6S-00KG/AS/3P

|                        |                                                                       |
|------------------------|-----------------------------------------------------------------------|
| Housing                | rectangular                                                           |
| Dimensions [mm]        | 34.8 x 13 x 21                                                        |
| 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

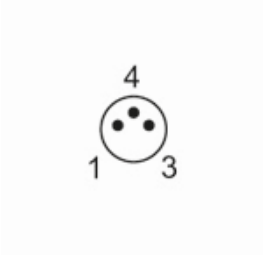
|         |           |                |
|---------|-----------|----------------|
| Display | operation | 1 x LED, green |
|---------|-----------|----------------|

### Remarks

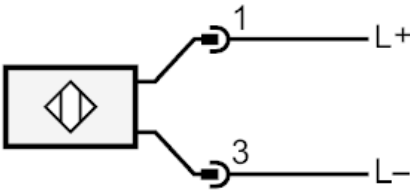
|               |                                                       |
|---------------|-------------------------------------------------------|
| Remarks       | operating voltage "supply class 2" according to cULus |
| Pack quantity | 1 pcs.                                                |

### Electrical connection

Connector: 1 x M8; coding: A



### Connection





## Through-beam sensor transmitter

O6S-OOKG/AS/3P

### Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor