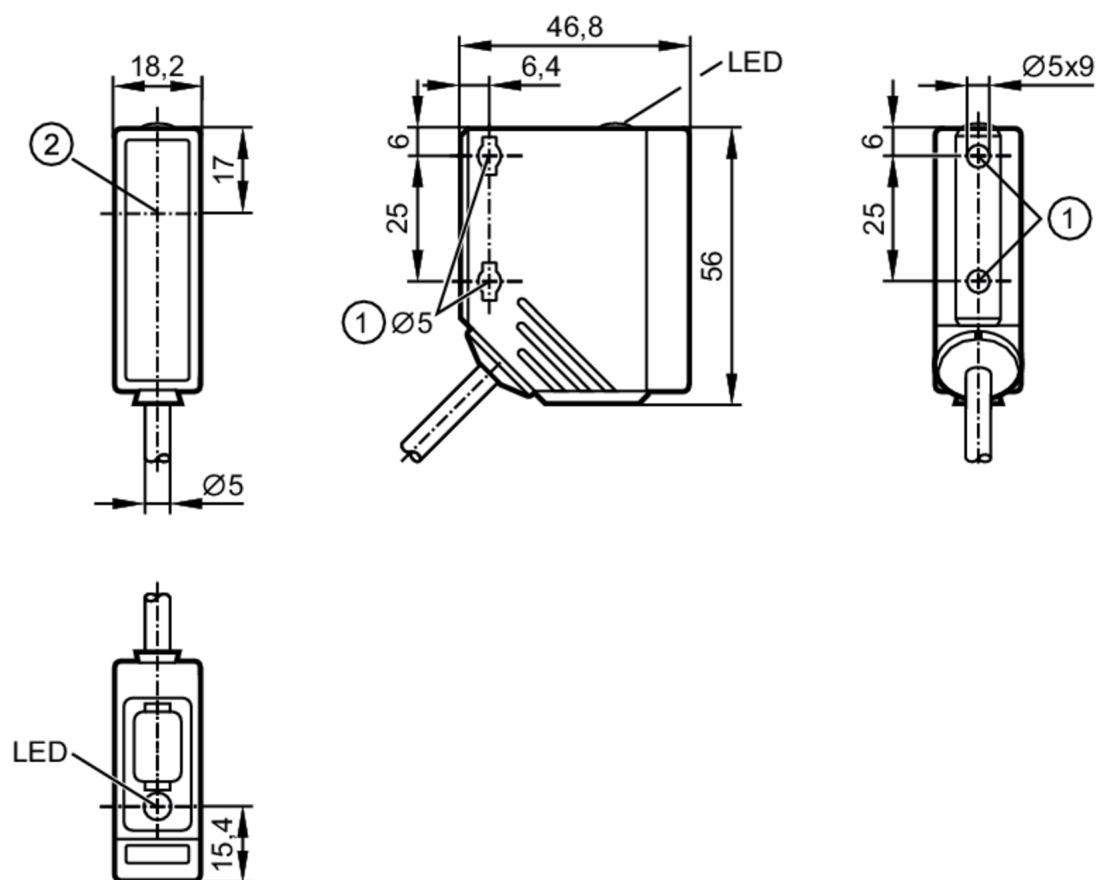


### Through-beam sensor transmitter

O5S-00KG/2M



- 1 When a M5 mounting screw is used, the max. tightening torque is 2 Nm.  
2 Sensing surface



## Product characteristics

|               |             |
|---------------|-------------|
| Type of light | red light   |
| Housing       | rectangular |

## Application

|                    |                     |
|--------------------|---------------------|
| Function principle | Through-beam sensor |
|--------------------|---------------------|

### Electrical data

|                             |      |            |
|-----------------------------|------|------------|
| Operating voltage           | [V]  | 10...36 DC |
| Current consumption         | [mA] | 20         |
| Protection class            |      | II         |
| Reverse polarity protection |      | yes        |
| Type of light               |      | red light  |
| Wave length                 | [nm] | 624        |

## Monitoring range

|                        |             |
|------------------------|-------------|
| Transmitter / receiver | transmitter |
| Range [m]              | < 25        |
| Range adjustable       | no          |

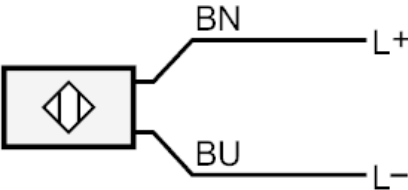
# O5S501



## Through-beam sensor transmitter

O5S-00KG/2M

|                                           |         |                                                                                   |
|-------------------------------------------|---------|-----------------------------------------------------------------------------------|
| Max. light spot diameter                  | [mm]    | 625                                                                               |
| Light spot dimensions refer to            |         | at maximum range                                                                  |
| Operating conditions                      |         |                                                                                   |
| Ambient temperature                       | [°C]    | -25...60                                                                          |
| Protection                                |         | IP 67                                                                             |
| Tests / approvals                         |         |                                                                                   |
| EMC                                       |         | EN 60947-5-2                                                                      |
| MTTF                                      | [years] | 617                                                                               |
| Mechanical data                           |         |                                                                                   |
| Weight                                    | [g]     | 140                                                                               |
| Housing                                   |         | rectangular                                                                       |
| Dimensions                                | [mm]    | 56 x 18.2 x 46.8                                                                  |
| Material                                  |         | housing: PA; Front framework: stainless steel; operator interface: TPU (urethane) |
| Lens material                             |         | PMMA                                                                              |
| Lens alignment                            |         | Side sensing                                                                      |
| Displays / operating elements             |         |                                                                                   |
| Display                                   | Power   | 1 x LED, green                                                                    |
| Remarks                                   |         |                                                                                   |
| Remarks                                   |         | cULus - Class 2 source required                                                   |
| Pack quantity                             |         | 1 pcs.                                                                            |
| Electrical connection                     |         |                                                                                   |
| Cable: 2 m, PUR; 3 x 0.34 mm <sup>2</sup> |         |                                                                                   |
| Connection                                |         |                                                                                   |



BN = Core colors : brown  
BU = blue



## Through-beam sensor transmitter

O5S-OOKG/2M

## Diagrams and graphs

excess gain graph

