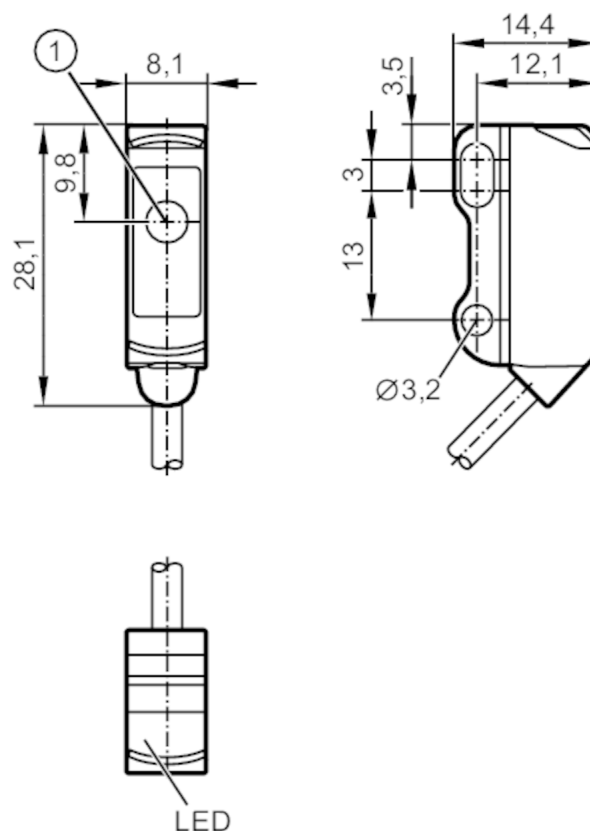




## Through-beam sensor transmitter

O8S-00KG/2,0M



1 light emission



### Application

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

### Electrical data

|                             |      |              |
|-----------------------------|------|--------------|
| Operating voltage           | [V]  | 10...30 DC   |
| Current consumption         | [mA] | 12; ((24 V)) |
| Protection class            |      | III          |
| Reverse polarity protection |      | yes          |
| Type of light               |      | red light    |
| Wave length                 | [nm] | 633          |

### Detection zone

|                                |      |                  |
|--------------------------------|------|------------------|
| Transmitter / receiver         |      | transmitter      |
| Range                          | [m]  | < 3              |
| Max. light spot diameter       | [mm] | 200              |
| Light spot dimensions refer to |      | at maximum range |

### Operating conditions

|                     |      |              |
|---------------------|------|--------------|
| Ambient temperature | [°C] | -25...60     |
| Protection          |      | IP 65; IP 67 |

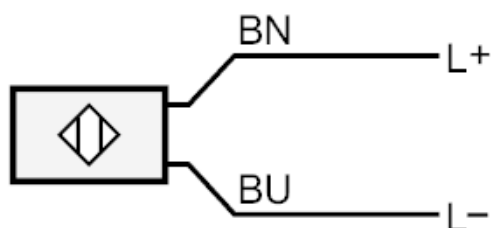
# O8S200



## Through-beam sensor transmitter

O8S-00KG/2,0M

| Tests / approvals                              |                                               |                   |
|------------------------------------------------|-----------------------------------------------|-------------------|
| EMC                                            | EN 60947-5-2                                  |                   |
| MTTF                                           | [years]                                       | 2912              |
| Mechanical data                                |                                               |                   |
| Weight                                         | [g]                                           | 39.6              |
| Housing                                        | rectangular                                   |                   |
| Dimensions                                     | [mm]                                          | 28.1 x 8.1 x 14.4 |
| Materials                                      | housing: ABS; stainless steel (1.4404 / 316L) |                   |
| Lens material                                  | PMMA                                          |                   |
| Lens alignment                                 | side lens                                     |                   |
| Displays / operating elements                  |                                               |                   |
| Display                                        | switching status                              | 1 x LED, yellow   |
|                                                | operation                                     | 1 x LED, green    |
| Remarks                                        |                                               |                   |
| Pack quantity                                  | 1 pcs.                                        |                   |
| Electrical connection                          |                                               |                   |
| Cable: 2 m, PVC, black, Ø 2.9 mm; 2 x 0.08 mm² |                                               |                   |
| Connection                                     |                                               |                   |



Core colours :

BN = brown  
BU = blue

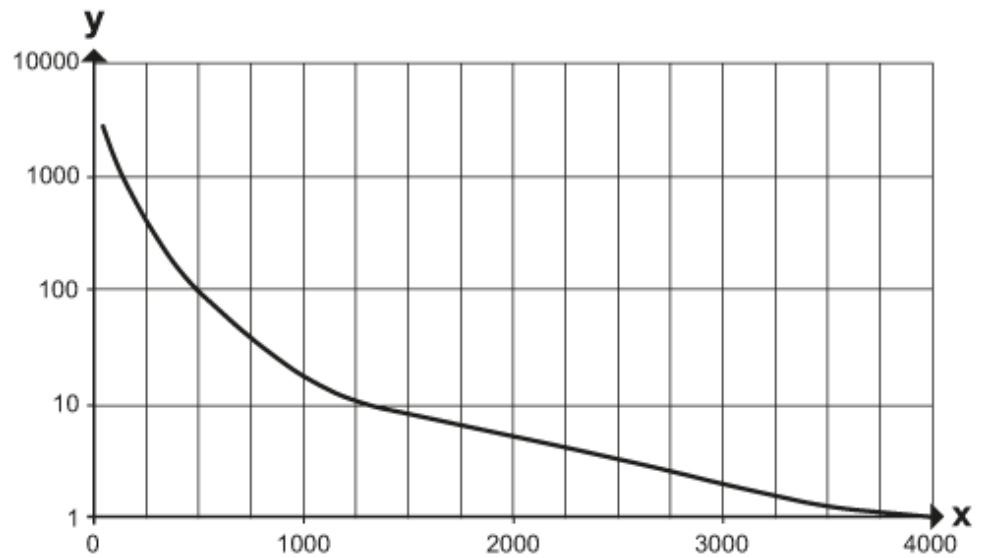


## Through-beam sensor transmitter

O8S-00KG/2,0M

### Diagrams and graphs

excess gain graph



x: Abstand [mm]

y: Funktionsreservefaktor