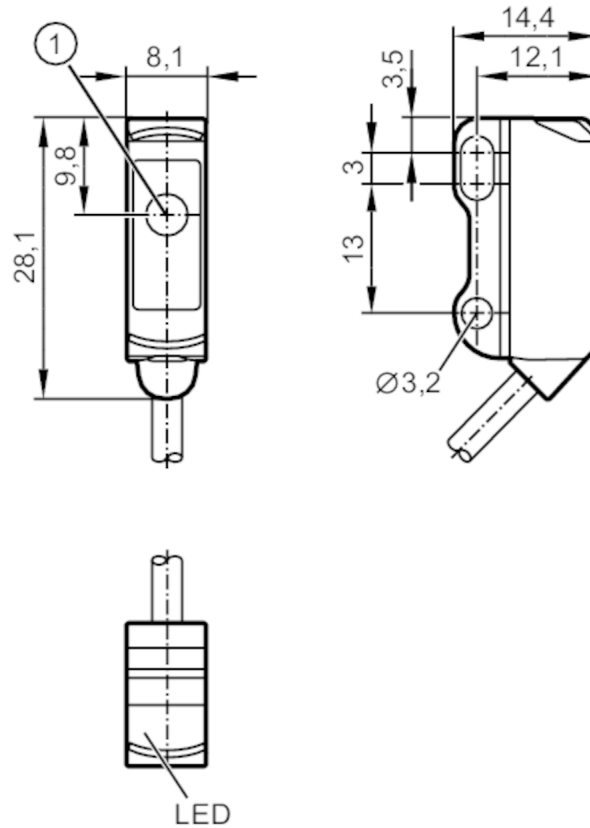


O8S200



Through-beam sensor transmitter

O8S-00KG/2,0M



1: light emission



Product characteristics

| | |
|-----------------|-------------------|
| Type of light | red light |
| Housing | rectangular |
| Dimensions [mm] | 28.1 x 8.1 x 14.4 |

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 |

O8S200



Through-beam sensor transmitter

O8S-OOKG/2,0M

Operating conditions

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

Tests / approvals

| | | |
|------|---------|--------------|
| EMC | | EN 60947-5-2 |
| MTTF | [years] | 2912 |

Mechanical data

| | | |
|----------------|------|---|
| Weight | [g] | 37.2 |
| 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 |

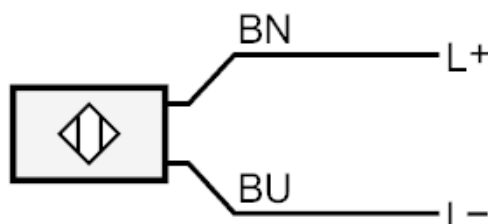
Remarks

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

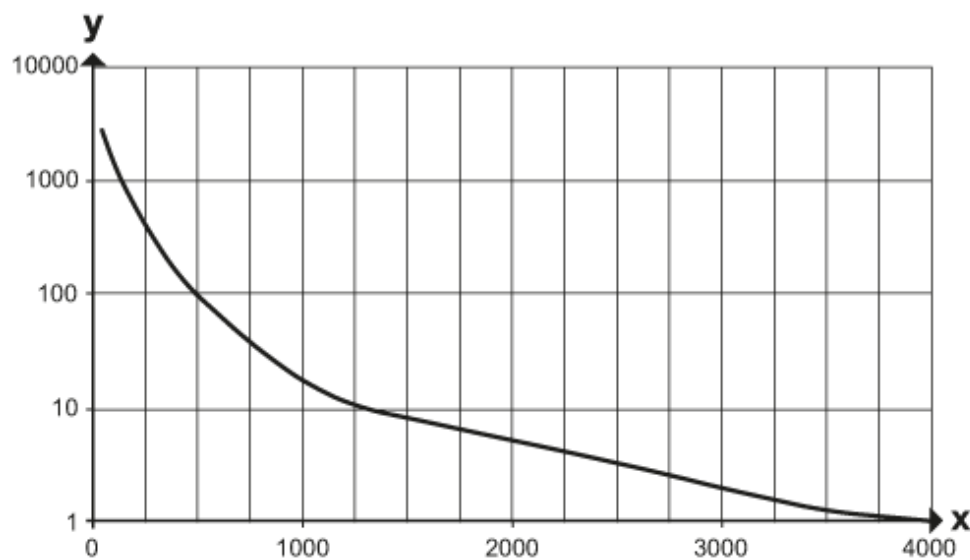


Through-beam sensor transmitter

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Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor