

## Overview

- Most secure object detection due to the barrier principle
- Fixed preset for the simplest commissioning
- Robust housing with brass spacer sleeves



Picture similar



## Technical data

### General data

|                                     |                           |
|-------------------------------------|---------------------------|
| Type                                | Through beam sensor       |
| Emitter / receiver                  | Receiver                  |
| Actual range Sb                     | 10 m                      |
| Nominal range Sn                    | 12 m                      |
| Alignment / soiled lens indicator   | Flashing output indicator |
| Output indicator                    | LED yellow                |
| Power on indication                 | LED green                 |
| Sensitivity adjustment              | No                        |
| Suppression of reciprocal influence | Yes                       |

### Electrical data

|                                    |               |
|------------------------------------|---------------|
| Response time / release time       | < 0.8 ms      |
| Voltage supply range +Vs           | 10 ... 30 VDC |
| Current consumption max. (no load) | 50 mA         |
| Current consumption typ.           | 25 mA         |
| Voltage drop Vd                    | <2 VDC        |

### Electrical data

|                             |              |
|-----------------------------|--------------|
| Output function             | Dark operate |
| Output circuit              | Push-pull    |
| Output current              | 100 mA       |
| Short circuit protection    | Yes          |
| Reverse polarity protection | Yes          |

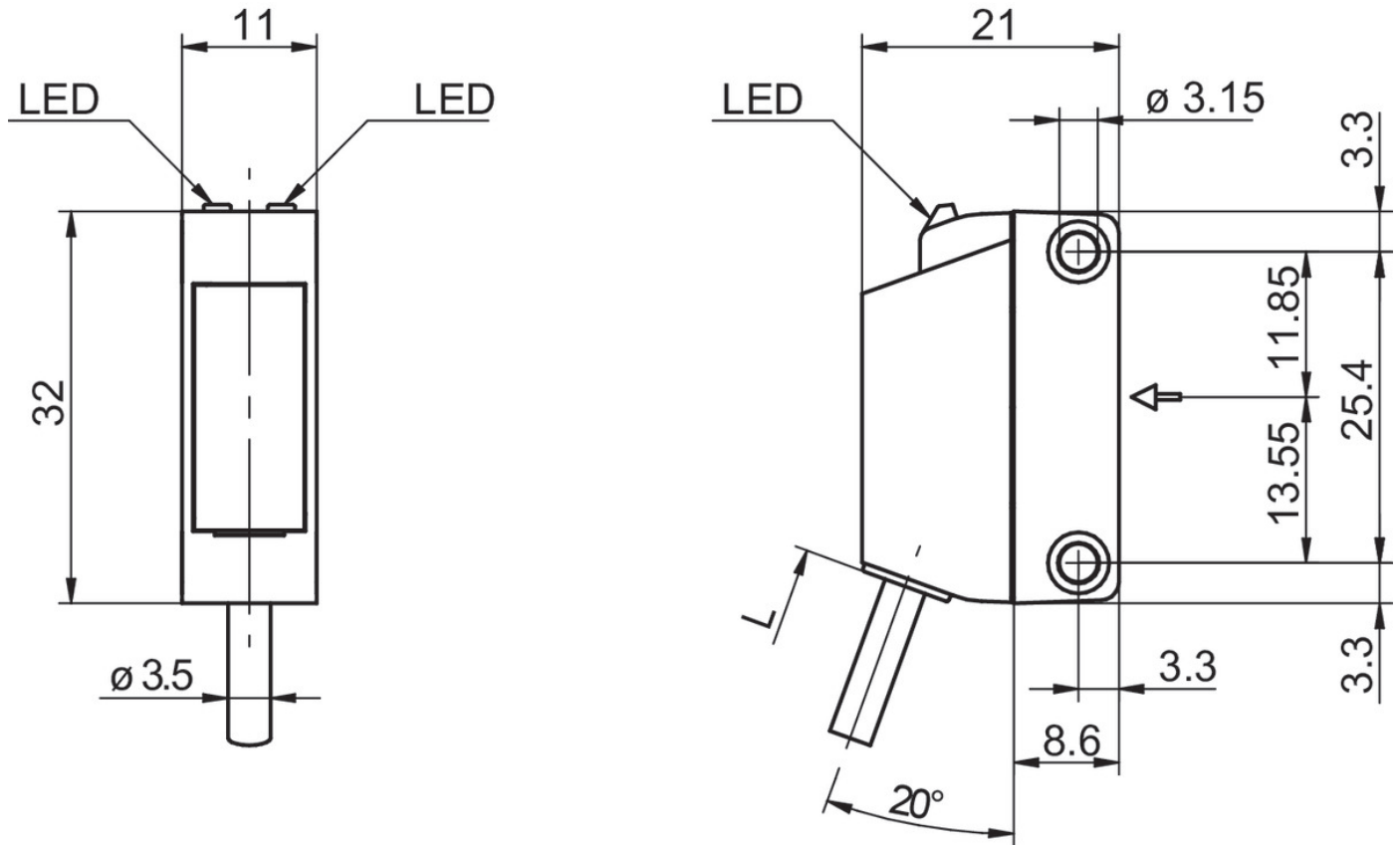
### Mechanical data

|                       |                                    |
|-----------------------|------------------------------------|
| Width / diameter      | 11 mm                              |
| Height / length       | 32 mm                              |
| Depth                 | 21 mm                              |
| Design                | Rectangular                        |
| Mechanical mounting   | Sleeve smooth (brass)              |
| Housing material      | Plastic (ABS, ASA, PMMA)           |
| Front (optics)        | PMMA                               |
| Connection types      | Cable 4 pin, 2 m                   |
| Cable characteristics | PVC / PVC 4 x 0.14 mm <sup>2</sup> |

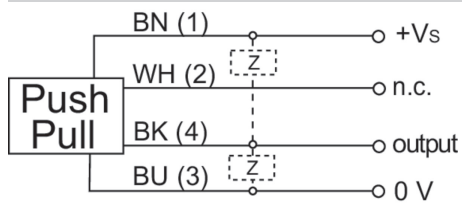
### Ambient conditions

|                       |                |
|-----------------------|----------------|
| Operating temperature | -25 ... +55 °C |
| Protection class      | IP 67          |
| Storage temperature   | -40 ... +70 °C |

### Technical drawings



### Connection diagram



### Excess gain curve

