

## Overview

- Outstanding reliability and unrivalled immunity against ambient light
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- Line beam for complete detection of irregular, perforated objects
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Quick mounting by means of M3 threaded bushes made of stainless steel



Picture similar



## Technical data

### General data

|                                     |                           |
|-------------------------------------|---------------------------|
| Type                                | Background suppression    |
| Version                             | Line beam                 |
| Sensing distance Tw                 | 20 ... 120 mm             |
| Sensing range Tb                    | 3 ... 132 mm              |
| Smallest object recognizable typ.   | 8 mm at 60 mm             |
| Power on indication                 | LED green                 |
| Alignment / soiled lens indicator   | Flashing output indicator |
| Output indicator                    | LED yellow                |
| Sensing distance adjustment         | qTeach                    |
| Suppression of reciprocal influence | Yes                       |
| Beam type                           | Line                      |
| Alignment optical axis              | < 1,5°                    |

### Light Source

|              |                     |
|--------------|---------------------|
| Light source | Pulsed PinPoint LED |
| Wave length  | 644 nm              |

### Electrical data

|                              |        |
|------------------------------|--------|
| Response time / release time | ≤ 2 ms |
| Jitter                       | ≤ 2 ms |

### Electrical data

|                                    |                      |
|------------------------------------|----------------------|
| Voltage supply range +Vs           | 10 ... 30 VDC        |
| Current consumption max. (no load) | 40 mA (@ 10 VDC)     |
| Current consumption typ.           | 16 mA (@ 24 VDC)     |
| Voltage drop Vd                    | <2 VDC               |
| Output function                    | Light / dark operate |
| Output circuit                     | PNP complementary    |
| Output current                     | 50 mA                |
| Short circuit protection           | Yes                  |
| Reverse polarity protection        | Yes                  |

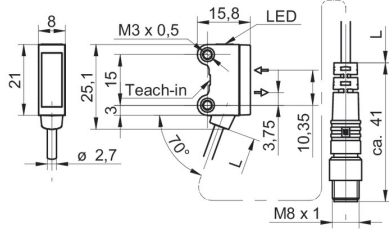
### Mechanical data

|                       |                                       |
|-----------------------|---------------------------------------|
| Width / diameter      | 8 mm                                  |
| Height / length       | 25.1 mm                               |
| Depth                 | 15.8 mm                               |
| Design                | Rectangular                           |
| Mechanical mounting   | Threaded sleeves M3 (stainless steel) |
| Housing material      | Plastic (ASA, PMMA)                   |
| Front (optics)        | PMMA                                  |
| Connection types      | Flylead connector M8 4 pin, L=200 mm  |
| Cable characteristics | PVC / PVC 4 x 0.08 mm <sup>2</sup>    |

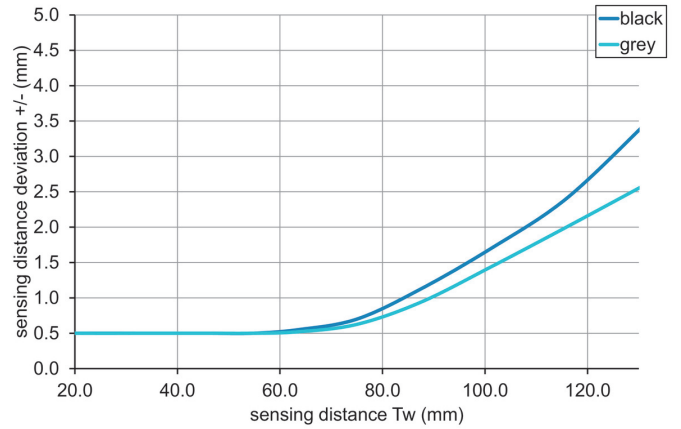
### Ambient conditions

|                       |                |
|-----------------------|----------------|
| Protection class      | IP 67          |
| Operating temperature | -30 ... +50 °C |

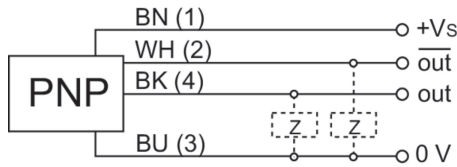
**Dimension drawing**



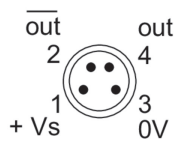
**Sensing distance diagram**



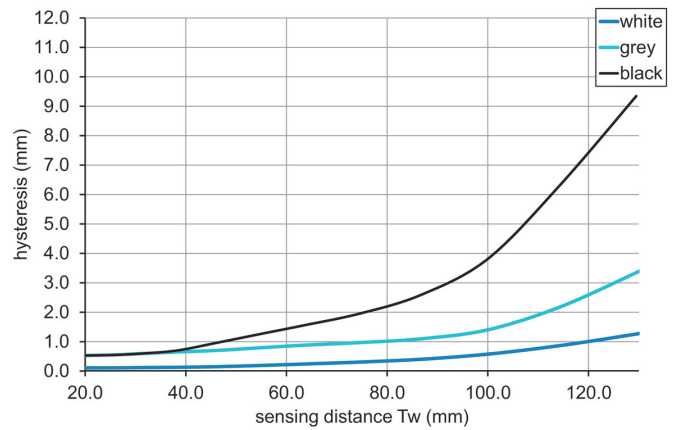
**Connection diagram**



**Pin assignment**



**Hysteresis curve**



**Beam characteristic (typically)**

