

**Overview**

- SmartReflect - Safe barrier principle without reflector
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- Long-term stable detection of transparent objects thanks to compensation of environmental influences
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Quick mounting by means of M3 threaded bushes made of stainless steel



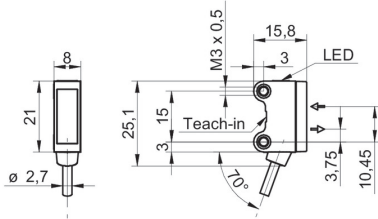
Picture similar



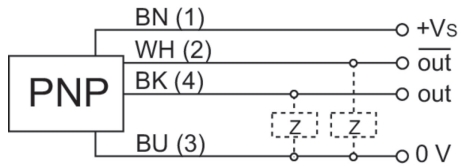
**Technical data**

| General data                        |                               | Electrical data             |                                       |
|-------------------------------------|-------------------------------|-----------------------------|---------------------------------------|
| Type                                | Light barrier                 | Current consumption typ.    | 16 mA (@ 24 VDC)                      |
| Version                             | Transparency object detection | Voltage drop Vd             | < 2 VDC                               |
| Light source                        | Pulsed PinPoint LED           | Output function             | Light / dark operate                  |
| Background position Sde             | 25 ... 180 mm                 | Output circuit              | PNP complementary                     |
| Scanning range Sa                   | 90% ... 85% Sde               | Output current              | < 50 mA                               |
| Minimal signal attenuation          | 10 %                          | Short circuit protection    | Yes                                   |
| Alignment / soiled lens indicator   | Flashing output indicator     | Reverse polarity protection | Yes                                   |
| Power on indication                 | LED green                     | Mechanical data             |                                       |
| Output indicator                    | LED yellow                    | Width / diameter            | 8 mm                                  |
| Sensing distance adjustment         | qTeach                        | Height / length             | 25,1 mm                               |
| Wave length                         | 644 nm                        | Depth                       | 15,8 mm                               |
| Suppression of reciprocal influence | Yes                           | Type                        | Rectangular                           |
| Beam type                           | Point                         | Mechanical mounting         | Threaded sleeves M3 (stainless steel) |
| Alignment optical axis              | < 1,5°                        | Housing material            | Plastic (ASA, PMMA)                   |
| Electrical data                     |                               | Front (optics)              | PMMA                                  |
| Voltage supply range +Vs            | 10 ... 30 VDC                 | Connection types            | Cable 4 pin, 2 m                      |
| Current consumption max. (no load)  | 40 mA (@ 10 VDC)              | Cable characteristics       | PVC / PVC 4 x 0,08 mm <sup>2</sup>    |
|                                     |                               | Ambient conditions          |                                       |
|                                     |                               | Protection class            | IP 67                                 |
|                                     |                               | Operating temperature       | -25 ... +50 °C                        |

**Dimension drawing**



**Connection diagram**



**Beam characteristic (typically)**

