

# O200.SP.T-PV1T.72CV/H006

SmartReflect Light barriers - miniature

Article number: 11230715

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



Technical data

general data

|                                     |                               |
|-------------------------------------|-------------------------------|
| type                                | light barrier                 |
| version                             | transparency object detection |
| light source                        | pulsed PinPoint LED           |
| background position Sde             | 25 ... 180 mm                 |
| scanning range Sa                   | 90% ... 85% Sde               |
| minimal signal attenuation          | 10 %                          |
| alignment / soiled lens indicator   | flashing output indicator     |
| power on indication                 | LED green                     |
| output indicator                    | LED yellow                    |
| sensing distance adjustment         | qTeach                        |
| wave length                         | 644 nm                        |
| suppression of reciprocal influence | yes                           |
| beam type                           | point                         |
| alignment optical axis              | < 1,5°                        |

electrical data

|                                    |                  |
|------------------------------------|------------------|
| voltage supply range +Vs           | 10 ... 30 VDC    |
| current consumption max. (no load) | 40 mA (@ 10 VDC) |

electrical data

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

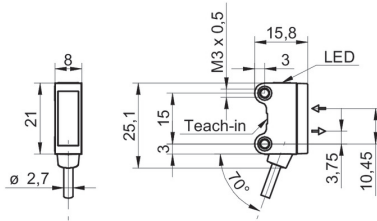
mechanical data

|                       |                                       |
|-----------------------|---------------------------------------|
| width / diameter      | 8 mm                                  |
| height / length       | 25,1 mm                               |
| depth                 | 15,8 mm                               |
| type                  | rectangular                           |
| mechanical mounting   | threaded sleeves M3 (stainless steel) |
| housing material      | plastic (ASA, PMMA)                   |
| front (optics)        | PMMA                                  |
| connection types      | cable 4 pin, 2 m                      |
| cable characteristics | PVC / PVC 4 x 0,08 mm²                |

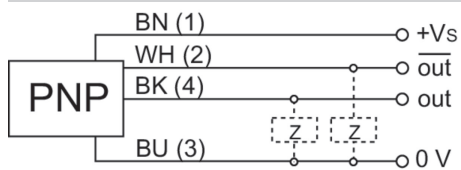
ambient conditions

|                       |                |
|-----------------------|----------------|
| operating temperature | -25 ... +50 °C |
| protection class      | IP 67          |

## dimension drawing



## connection diagram



## beam characteristic (typically)

