

O200.RP.T-PV1T.72CV/H006

Article number: 11230703

overview

- Extended functional reserve capacities for maximum reliability
- 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                                   | retro-reflective sensor                             |
| version                                | transparency object detection<br>single lens optics |
| light source                           | pulsed PinPoint LED                                 |
| actual range Sb                        | 0,7 m                                               |
| nominal range Sn                       | 1 m                                                 |
| polarization filter                    | yes                                                 |
| minimal signal attenuation             | 10 %                                                |
| alignment / soiled lens in-<br>dicator | flashing output indicator                           |
| output indicator                       | LED yellow                                          |
| power on indication                    | LED green                                           |
| sensitivity adjustment                 | qTeach                                              |
| wave length                            | 644 nm                                              |
| suppression of reciprocal<br>influence | yes                                                 |
| alignment optical axis                 | < 1,5°                                              |

electrical data

|                                 |               |
|---------------------------------|---------------|
| response time / release<br>time | < 0,25 ms     |
| jitter                          | < 0,06 ms     |
| voltage supply range +Vs        | 10 ... 30 VDC |

electrical data

|                                       |                      |
|---------------------------------------|----------------------|
| current consumption max.<br>(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                  |

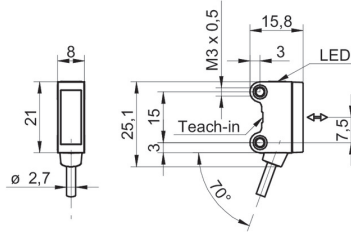
mechanical data

|                       |                                       |
|-----------------------|---------------------------------------|
| width / diameter      | 8 mm                                  |
| height / length       | 25,1 mm                               |
| depth                 | 15,8 mm                               |
| 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 mm <sup>2</sup>    |

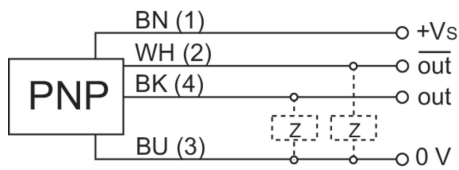
ambient conditions

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

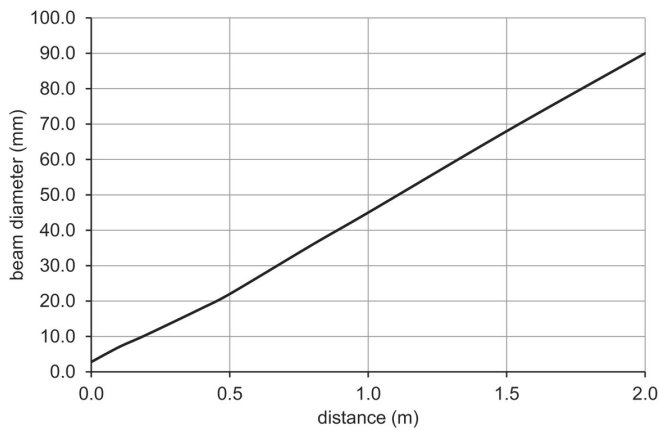
### dimension drawing



### connection diagram



### beam characteristic (typically)



### excess gain curve

