

#### overview

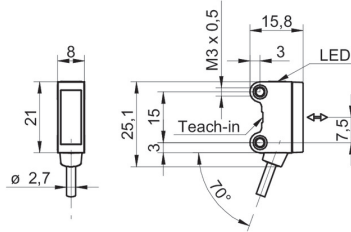
- Extended functional reserve capacities for maximum reliability
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- Long-term stable detection of transparent objects thanks to compensation of environmental influences
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Quick mounting by means of M3 threaded bushes made of stainless steel



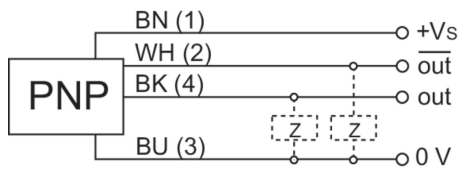
#### Technical data

| general data                        |                                                  | electrical data                    |                                       |
|-------------------------------------|--------------------------------------------------|------------------------------------|---------------------------------------|
| type                                | retro-reflective sensor                          | current consumption max. (no load) | 40 mA (@ 10 VDC)                      |
| version                             | transparency object detection single lens optics | current consumption typ.           | 16 mA (@ 24 VDC)                      |
| light source                        | pulsed PinPoint LED                              | voltage drop Vd                    | < 2 VDC                               |
| actual range Sb                     | 0,7 m                                            | output function                    | light / dark operate                  |
| nominal range Sn                    | 1 m                                              | output circuit                     | PNP complementary                     |
| polarization filter                 | yes                                              | output current                     | < 50 mA                               |
| minimal signal attenuation          | 10 %                                             | short circuit protection           | yes                                   |
| alignment / soiled lens indicator   | flashing output indicator                        | reverse polarity protection        | yes                                   |
| output indicator                    | LED yellow                                       | mechanical data                    |                                       |
| power on indication                 | LED green                                        | width / diameter                   | 8 mm                                  |
| sensitivity adjustment              | qTeach                                           | height / length                    | 25,1 mm                               |
| wave length                         | 644 nm                                           | depth                              | 15,8 mm                               |
| suppression of reciprocal influence | yes                                              | type                               | rectangular                           |
| alignment optical axis              | < 1,5°                                           | mechanical mounting                | threaded sleeves M3 (stainless steel) |
| electrical data                     |                                                  | housing material                   | plastic (ASA, PMMA)                   |
| response time / release time        | < 0,25 ms                                        | front (optics)                     | PMMA                                  |
| jitter                              | < 0,06 ms                                        | connection types                   | cable 4 pin, 2 m                      |
| voltage supply range +Vs            | 10 ... 30 VDC                                    | cable characteristics              | PVC / PVC 4 x 0,08 mm²                |
|                                     |                                                  | ambient conditions                 |                                       |
|                                     |                                                  | operating temperature              | -25 ... +50 °C                        |
|                                     |                                                  | protection class                   | IP 67                                 |

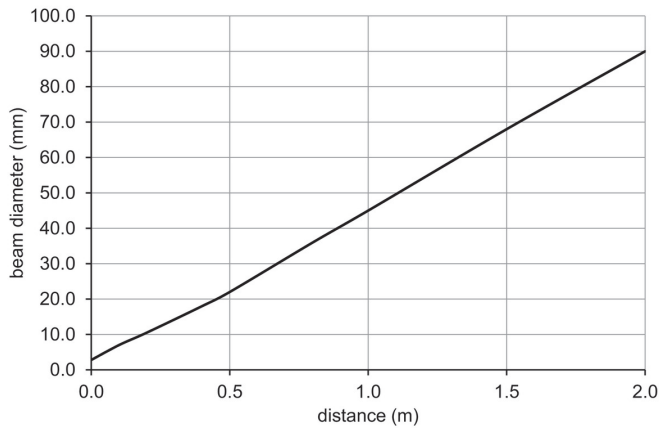
### dimension drawing



### connection diagram



### beam characteristic (typically)



### excess gain curve

