

overview

- Outstanding reliability and unrivalled immunity against ambient light
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- Extra range - best-in-class
- 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 | background suppression |
| light source | pulsed PinPoint LED |
| sensing distance Tw | 20 ... 175 mm |
| sensing range Tb | 3 ... 192 mm |
| smallest object recognizable typ. | 1 mm at 100 mm |
| 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

| | |
|------------------------------|---------------|
| response time / release time | ≤ 0,5 ms |
| jitter | ≤ 0,12 ms |
| voltage supply range +Vs | 10 ... 30 VDC |

electrical data

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

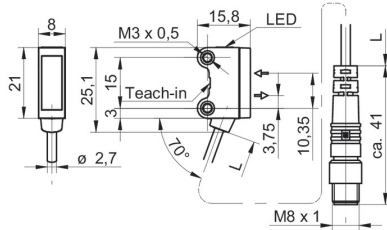
mechanical data

| | |
|-----------------------|---------------------------------------|
| width / diameter | 8 mm |
| height / length | 25,1 mm |
| depth | 15,8 mm |
| type | 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 mm² |

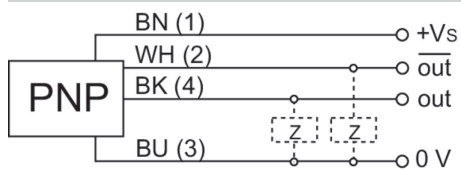
ambient conditions

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

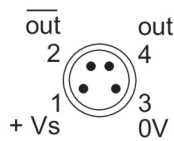
dimension drawing



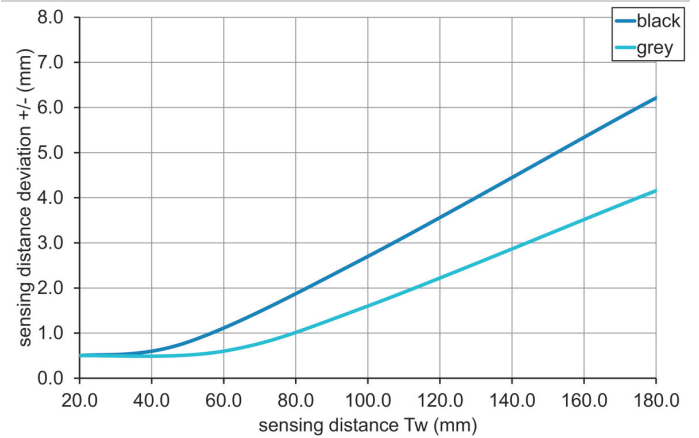
connection diagram



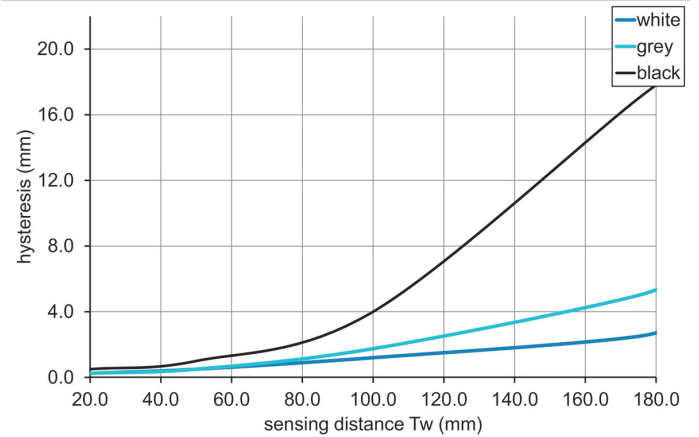
pin assignment



sensing distance diagram



hysteresis curve



beam characteristic (typically)

