

Overview

- Outstanding reliability and unrivalled immunity against ambient light
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Intuitive Xpress Teach / 1-Step Teach method
- Quick mounting by means of M3 threaded bushes made of stainless steel



Picture similar



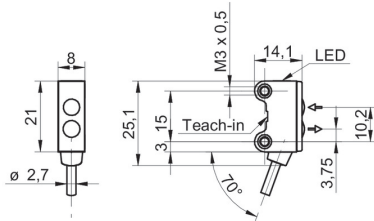
Technical data

| General data | | Electrical data | |
|-------------------------------------|---------------------------|-----------------------------|---------------------------------------|
| Type | Background suppression | Current consumption typ. | 16 mA (@ 24 VDC) |
| Light source | Pulsed red LED | Voltage drop Vd | < 2 VDC |
| Sensing distance Tw | 15 ... 72 mm | Output function | Light / dark operate |
| Sensing range Tb | 7 ... 80 mm | Output circuit | NPN complementary |
| Smallest object recognizable typ. | 0,25 mm at 40 mm | Output current | < 50 mA |
| Alignment / soiled lens indicator | Flashing output indicator | Short circuit protection | Yes |
| Power on indication | LED green | Reverse polarity protection | Yes |
| Output indicator | LED yellow | Mechanical data | |
| Sensing distance adjustment | qTeach / 1-Step Teach-in | Width / diameter | 8 mm |
| Wave length | 644 nm | Height / length | 25,1 mm |
| Suppression of reciprocal influence | Yes | Depth | 14,1 mm |
| Alignment optical axis | < 1,5° | Type | Rectangular |
| Electrical data | | Mechanical mounting | Threaded sleeves M3 (stainless steel) |
| Response time / release time | < 0,5 ms | Housing material | Plastic (ASA, PMMA) |
| Voltage supply range +Vs | 10 ... 30 VDC | Front (optics) | PMMA |
| Current consumption max. (no load) | 40 mA (@ 10 VDC) | Connection types | Cable 4 pin, 2 m |
| | | Cable characteristics | PVC / PVC 4 x 0,08 mm ² |
| | | Ambient conditions | |
| | | Protection class | IP 67 |
| | | Operating temperature | -25 ... +50 °C |

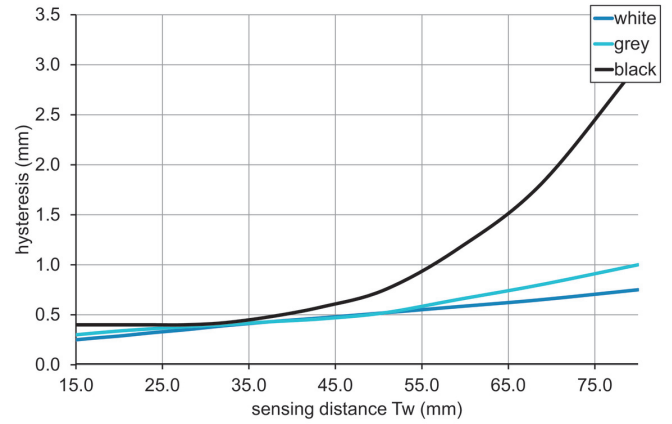
Remarks

- qTeach

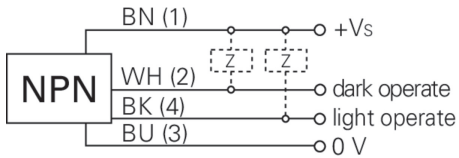
Dimension drawing



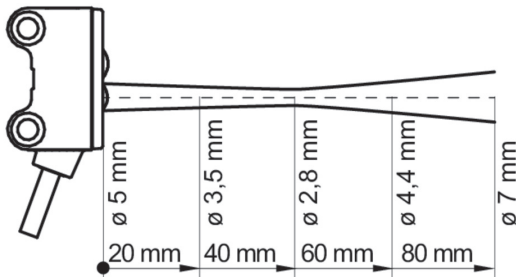
Hysteresis curve



Connection diagram



Beam characteristic (typically)



Sensing distance diagram

