

Overview

- Most secure object detection due to the barrier principle
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Quick mounting by means of M3 threaded bushes made of stainless steel



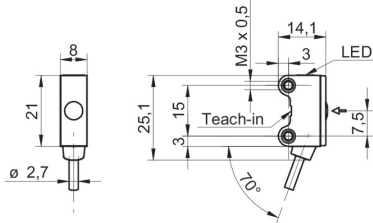
Picture similar



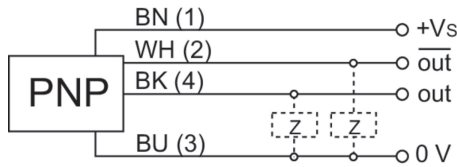
Technical data

| General data | | Electrical data | |
|-------------------------------------|---------------------------------|-----------------------------|---------------------------------------|
| Type | Through beam sensor | Current consumption typ. | 10 mA (@ 24 VDC) |
| Emitter / receiver | Receiver | Voltage drop Vd | < 2 VDC |
| Light source | Use with pulsed red laser diode | Output function | Light / dark operate |
| Actual range Sb | 5 m | Output circuit | PNP complementary |
| Nominal range Sn | 6 m | Output current | < 50 mA |
| Smallest object recognizable typ. | 3 mm (0,5 mm with aperture) | 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 |
| Suppression of reciprocal influence | Yes | Depth | 14,1 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 ² |
| | | Ambient conditions | |
| Response time / release time | < 0,1 ms < 0,12 ms | Operating temperature | -25 ... +50 °C |
| Jitter | < 0,03 ms < 0,05 ms | Protection class | IP 67 |
| Voltage supply range +Vs | 10 ... 30 VDC | | |
| Current consumption max. (no load) | 20 mA (@ 10 VDC) | | |

Dimension drawing



Connection diagram



Excess gain curve

