

Overview

- SmartReflect - Safe barrier principle without reflector
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Quick mounting by means of M3 threaded bushes made of stainless steel



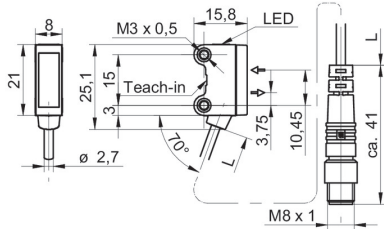
Picture similar



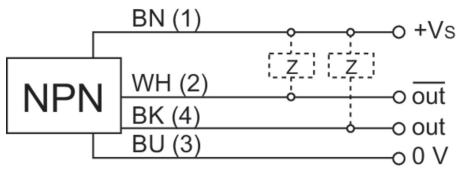
Technical data

| General data | | Electrical data | |
|-------------------------------------|---------------------------|------------------------------------|---------------------------------------|
| Type | Light barrier | Current consumption max. (no load) | 40 mA (@ 10 VDC) |
| Version | Standard object detection | Current consumption typ. | 16 mA (@ 24 VDC) |
| Background position Sde | 25 ... 180 mm | Voltage drop Vd | <2 VDC |
| Scanning range Sa | 90% ... 85% Sde | Output function | Light / dark operate |
| Smallest object recognizable typ. | 2.5 mm | Output circuit | NPN complementary |
| Power on indication | LED green | Output current | 50 mA |
| Alignment / soiled lens indicator | Flashing output indicator | Short circuit protection | Yes |
| Output indicator | LED yellow | Reverse polarity protection | Yes |
| Sensing distance adjustment | qTeach | Mechanical data | |
| Suppression of reciprocal influence | Yes | Width / diameter | 8 mm |
| Alignment optical axis | < 1,5° | Height / length | 25.1 mm |
| Light Source | | Depth | 15.8 mm |
| Light source | Pulsed PinPoint LED | Design | Rectangular |
| Wave length | 644 nm | Mechanical mounting | Threaded sleeves M3 (stainless steel) |
| Electrical data | | Housing material | Plastic (ASA, PMMA) |
| Response time / release time | < 0.5 ms | Front (optics) | PMMA |
| Voltage supply range +Vs | 10 ... 30 VDC | Connection types | Flylead connector M8 4 pin, L=200 mm |
| | | Cable characteristics | PVC / PVC 4 x 0.08 mm ² |
| | | Ambient conditions | |
| | | Protection class | IP 67 |
| | | Operating temperature | -25 ... +50 °C |

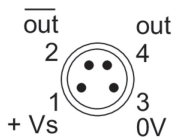
Dimension drawing



Connection diagram



Pin assignment



Beam characteristic (typically)

