

O200.RP-GW2I.72CV/A014\_H006

Article number: 11230721

overview

- Extended functional reserve capacities for maximum reliability
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- IO-Link interface independent of the switching output (Dual Channel)
- Extended parameterization options and additional diagnostic data
- Quick mounting by means of M3 threaded bushes made of stainless steel



Picture similar



Technical data

general data

|                                     |                           |
|-------------------------------------|---------------------------|
| type                                | retro-reflective sensor   |
| version                             | IO-Link dual channel      |
| light source                        | pulsed PinPoint LED       |
| actual range Sb                     | 3 m                       |
| nominal range Sn                    | 4 m                       |
| smallest object recognizable typ.   | 4 mm (FTAR 013A000)       |
| polarization filter                 | yes                       |
| alignment / soiled lens indicator   | flashing output indicator |
| output indicator                    | LED yellow                |
| power on indication                 | LED green                 |
| sensitivity adjustment              | IO-Link                   |
| wave length                         | 644 nm                    |
| suppression of reciprocal influence | yes                       |
| alignment optical axis              | < 1,5°                    |

electrical data

|                                    |                  |
|------------------------------------|------------------|
| response time / release time       | < 0,4 ms         |
| jitter                             | < 0,21 ms        |
| voltage supply range +Vs           | 10 ... 30 VDC    |
| current consumption max. (no load) | 45 mA (@ 10 VDC) |
| current consumption typ.           | 16 mA (@ 24 VDC) |

electrical data

|                             |                      |
|-----------------------------|----------------------|
| voltage drop Vd             | < 2 VDC              |
| output function             | light / dark operate |
| output circuit              | push-pull            |
| output current              | < 50 mA              |
| short circuit protection    | yes                  |
| reverse polarity protection | yes                  |

communication interface

|                        |                                                                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| baud rate              | 38,4 kBaud (COM 2)                                                                                                                                                          |
| adjustable parameters  | switching point<br>time filters<br>LED status indicators<br>output logic<br>output circuit<br>counter<br>deactivate the sensor element<br>Find Me function<br>Teach-in mode |
| IO-Link port type      | Class A                                                                                                                                                                     |
| process data length    | 32 Bit                                                                                                                                                                      |
| process data structure | Bit 0 = SSC1 (presence)<br>Bit 2 = quality<br>Bit 3 = alarm<br>Bit 5 = SSC4 (counter)<br>Bit 16-31 = 16 Bit measurement                                                     |
| interface              | IO-Link V1.1                                                                                                                                                                |

## Technical data

**communication interface**

|                 |                                                                          |
|-----------------|--------------------------------------------------------------------------|
| additional data | signal strength<br>excess gain<br>operating cycles<br>device temperature |
| cycle time      | ≥ 2,7 ms                                                                 |

**mechanical data**

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

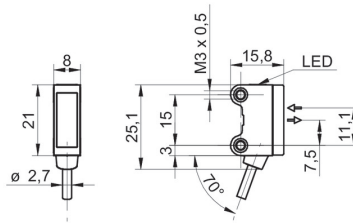
**mechanical data**

|                       |                                       |
|-----------------------|---------------------------------------|
| 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 <sup>2</sup>    |

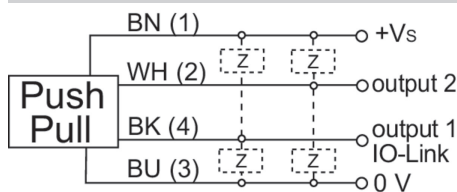
**ambient conditions**

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

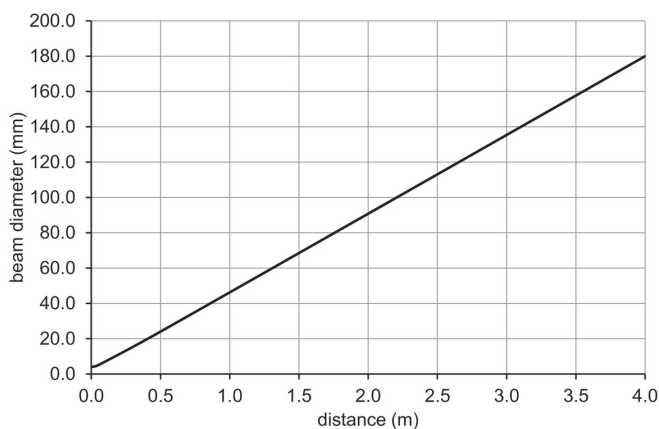
## dimension drawing



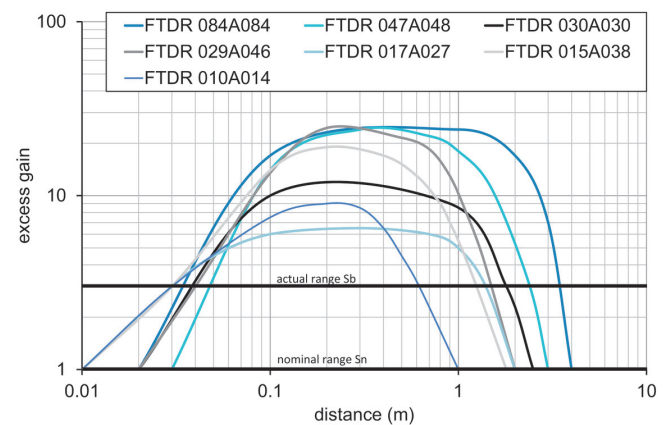
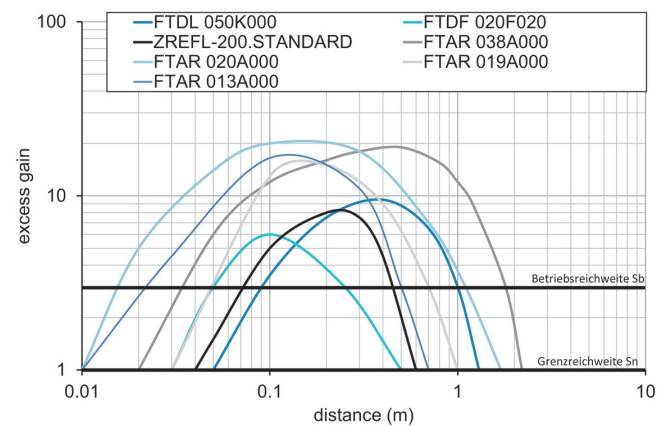
## connection diagram



beam characteristic (typically)



excess gain curve



**lateral operating range**

