

overview

- intensity difference
- 20 ... 600 mm
- pulsed red LED
- push-pull
- qTeach
- -25 ... 60 °C
- IP 67



Picture similar



Technical data

| general data                        |                      | electrical data             |                      |
|-------------------------------------|----------------------|-----------------------------|----------------------|
| type                                | intensity difference | voltage drop Vd             | < 3 VDC              |
| light source                        | pulsed red LED       | output function             | light / dark operate |
| sensing distance Tw                 | 20 ... 600 mm        | output circuit              | push-pull            |
| power on indication                 | LED green            | output current              | < 100 mA             |
| light indicator                     | LED yellow           | short circuit protection    | yes                  |
| sensing distance adjust-ment        | qTeach               | reverse polarity protection | yes                  |
| wave length                         | 630 nm               | mechanical data             |                      |
| suppression of reciprocal influence | yes                  | width / diameter            | 18 mm                |
| alignment optical axis              | < 1°                 | height / length             | 45 mm                |
| electrical data                     |                      | depth                       | 32 mm                |
| response time / release time        | < 1 ms               | type                        | rectangular          |
| voltage supply range +Vs            | 10 ... 30 VDC        | housing material            | plastic (ASA, PMMA)  |
| current consumption max. (no load)  | 40 mA                | front (optics)              | PMMA                 |
| current consumption typ.            | 30 mA                | connection types            | cable 4 pin, 2 m     |
|                                     |                      | ambient conditions          |                      |
|                                     |                      | operating temperature       | -25 ... +60 °C       |
|                                     |                      | protection class            | IP 67                |

remarks

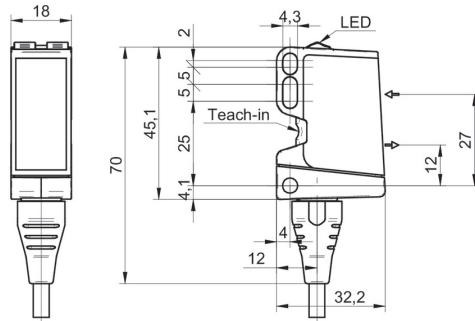
- qTeach

## O500.ZR-GW1T.72CU

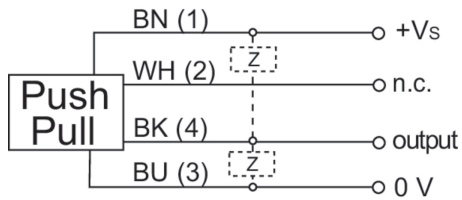
Diffuse sensors with intensity difference - for longer ranges

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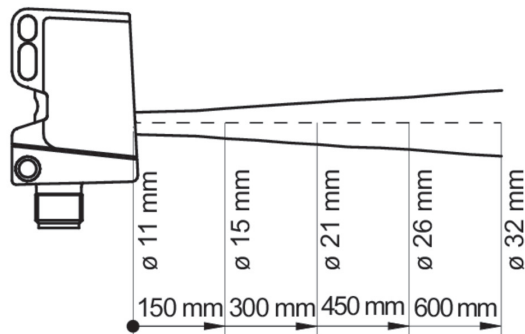
### dimension drawing



### connection diagram



### beam characteristic (typically)



### relative receiving signal

