

O500.GR-GW1T.72CU

Diffuse sensors with background suppression - for longer ranges

Article number: 11096063

overview

- background suppression
- 60 ... 550 mm
- pulsed red LED
- push-pull
- qTeach
- 25 ... 60 °C
- IP 67



Picture similar



Technical data

| general data                           |                        | electrical data             |                      |
|----------------------------------------|------------------------|-----------------------------|----------------------|
| type                                   | background suppression | current consumption typ.    | 30 mA                |
| light source                           | pulsed red LED         | voltage drop Vd             | < 3 VDC              |
| sensing distance Tw                    | 60 ... 550 mm          | output function             | light / dark operate |
| sensing range Tb                       | 30 ... 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-<br>ment       | qTeach                 | reverse polarity protection | yes                  |
| wave length                            | 630 nm                 | mechanical data             |                      |
| suppression of reciprocal<br>influence | yes                    | width / diameter            | 18 mm                |
| alignment optical axis                 | < 1°                   | height / length             | 45 mm                |
| electrical data                        |                        | depth                       | 32 mm                |
| response time / release<br>time        | < 1 ms                 | type                        | rectangular          |
| voltage supply range +Vs               | 10 ... 30 VDC          | housing material            | plastic (ASA, PMMA)  |
| current consumption max.<br>(no load)  | 40 mA                  | front (optics)              | PMMA                 |
|                                        |                        | connection types            | cable 4 pin, 2 m     |
|                                        |                        | ambient conditions          |                      |
|                                        |                        | operating temperature       | -25 ... +60 °C       |
|                                        |                        | protection class            | IP 67                |

remarks

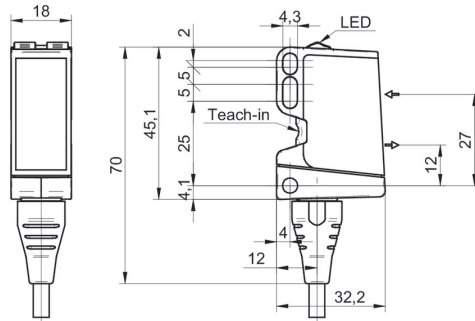
- qTeach

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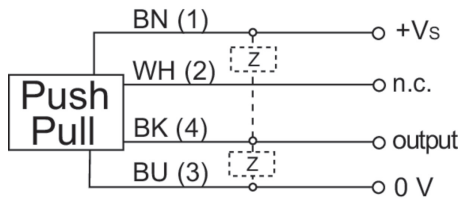
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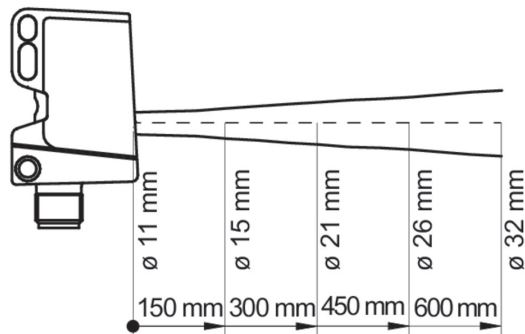
### dimension drawing



### connection diagram



### beam characteristic (typically)



### sensing distance diagram

