

# O500.SP.T-GW1J.72CU/B005

SmartReflect Light barriers - transparent detection

Article number: 11136920

## overview

- light barrier
- 60 ... 1000 mm
- pulsed PinPoint LED
- push-pull
- Teach-in and IO-Link
- cable 4 pin, 2 m
- 25 ... 60 °C
- IP 67



## technical data

### general data

|                                     |                               |
|-------------------------------------|-------------------------------|
| type                                | light barrier                 |
| version                             | transparency object detection |
| light source                        | pulsed PinPoint LED           |
| background position Sde             | 60 ... 1000 mm                |
| scanning range Sa                   | 100% ... 85% Sde              |
| minimal signal attenuation          | 10 % / 20 % / 30 %            |
| power on indication                 | LED green                     |
| light indicator                     | LED yellow                    |
| sensing distance adjustment         | Teach-in and IO-Link          |
| wave length                         | 630 nm                        |
| suppression of reciprocal influence | yes                           |
| alignment optical axis              | < 1°                          |

### electrical data

|                                    |                 |
|------------------------------------|-----------------|
| response time / release time       | 0,25 ... 0,6 ms |
| voltage supply range +Vs           | 10 ... 30 VDC   |
| current consumption max. (no load) | 40 mA           |

|                             |                      |
|-----------------------------|----------------------|
| current consumption typ.    | 30 mA                |
| voltage drop Vd             | < 3 VDC              |
| output function             | light / dark operate |
| output circuit              | push-pull            |
| output current              | < 100 mA             |
| short circuit protection    | yes                  |
| reverse polarity protection | yes                  |

### mechanical data

|                  |                     |
|------------------|---------------------|
| width / diameter | 18 mm               |
| height / length  | 45 mm               |
| depth            | 32 mm               |
| type             | rectangular         |
| housing material | plastic (ASA, PMMA) |
| front (optics)   | PMMA                |
| connection types | cable 4 pin, 2 m    |

### ambient conditions

|                       |                |
|-----------------------|----------------|
| operating temperature | -25 ... +60 °C |
| protection class      | IP 67          |

## remarks

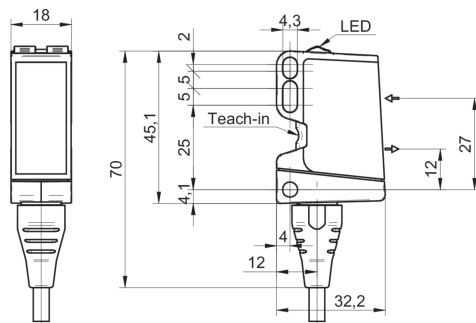
- qTeach
- IO-Link: V1.1, filter functions, qTeach lock adjustable
- signal attenuation adjustable
- response time / release time: depending on the signal strength

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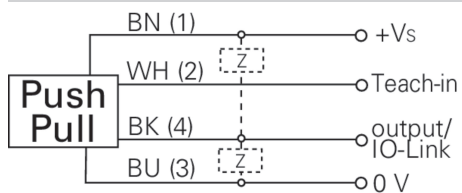
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### dimension drawing



### connection diagram



### beam characteristic (typically)

