

# O500H.SP.T-GW1J.PVOV/B005

SmartReflect Light barriers - hygiene

Article number: 11136930

## overview

- light barrier
- 60 ... 1000 mm
- pulsed PinPoint LED
- push-pull
- Teach-in and IO-Link
- flylead connector M12, L=300 mm
- -25 ... 60 °C
- IP 68/69K & proTect+



## technical data

### general data

|                                     |                               |
|-------------------------------------|-------------------------------|
| type                                | light barrier                 |
| special type                        | hygienic design               |
| 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°                          |
| approvals/certificates              | Ecolab                        |

### 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           |

### electrical data

|                             |                      |
|-----------------------------|----------------------|
| 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 | 20,2 mm                         |
| height / length  | 47,7 mm                         |
| depth            | 36,4 mm                         |
| type             | rectangular                     |
| housing material | stainless steel 1.4404 (V4A)    |
| front (optics)   | PMMA                            |
| connection types | flylead connector M12, L=300 mm |

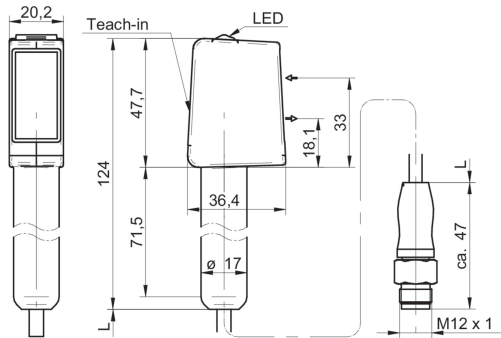
### ambient conditions

|                       |                      |
|-----------------------|----------------------|
| operating temperature | -25 ... +60 °C       |
| protection class      | IP 68/69K & proTect+ |

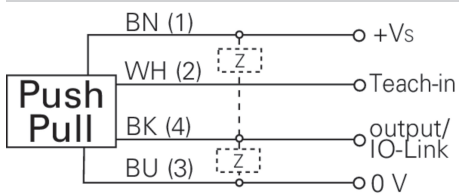
## remarks

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

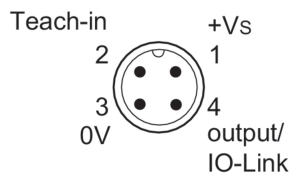
**dimension drawing**



**connection diagram**



**pin assignment**



**beam characteristic (typically)**

