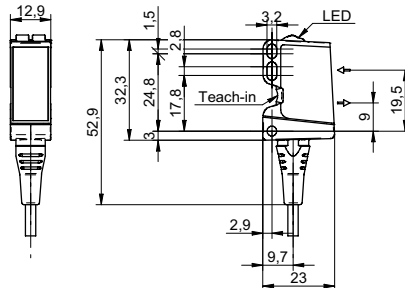


# SmartReflect Light barriers

**O300.SP-11125077**

## dimension drawing



## general data

|                                     |                           |
|-------------------------------------|---------------------------|
| type                                | light barrier             |
| version                             | standard object detection |
| light source                        | pulsed PinPoint LED       |
| background position Sde             | 30 ... 300 mm             |
| scanning range Sa                   | 90% ... 85% Sde           |
| 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              | < 2°                      |

## electrical data

|                                    |                      |
|------------------------------------|----------------------|
| response time / release time       | < 0,49 ms            |
| voltage supply range +Vs           | 10 ... 30 VDC        |
| current consumption max. (no load) | 45 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 | 12,9 mm             |
| height / length  | 32,3 mm             |
| depth            | 23 mm               |
| type             | rectangular         |
| housing material | plastic (ASA, PMMA) |
| front (optics)   | PMMA                |
| connection types | cable 4 pin, 2 m    |

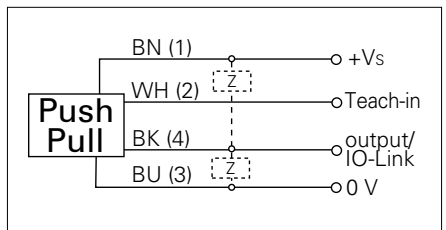
## ambient conditions

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

## photo



## connection diagram


 **IO-Link**


- qTeach
- IO-Link: V1.1, filter functions, qTeach lock adjustable