

## O300H.GP-GW1J.PVCV

Diffuse sensors with background suppression - hygiene

Article number: 11127745

### Overview

- background suppression
- 30 ... 200 mm
- pulsed PinPoint LED
- push-pull
- Teach-in and IO-Link
- cable 4 pin, 2 m
- 25 ... 60 °C
- IP 68/69K & proTect+



Picture similar



### Technical data

#### General data

|                                     |                        |
|-------------------------------------|------------------------|
| Type                                | Background suppression |
| Special type                        | Hygienic design        |
| Light source                        | Pulsed PinPoint LED    |
| Sensing distance Tw                 | 30 ... 200 mm          |
| Sensing range Tb                    | 15 ... 200 mm          |
| 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°                   |
| Approvals/certificates              | Ecolab                 |

#### Electrical data

|                                    |               |
|------------------------------------|---------------|
| Response time / release time       | < 0,49 ms     |
| Voltage supply range +Vs           | 10 ... 30 VDC |
| Current consumption max. (no load) | 45 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 | 16,5 mm                      |
| Height / length  | 34,6 mm                      |
| Depth            | 28,7 mm                      |
| Type             | Rectangular                  |
| Housing material | Stainless steel 1.4404 (V4A) |
| Front (optics)   | PMMA                         |
| Connection types | Cable 4 pin, 2 m             |

#### Ambient conditions

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

### Remarks

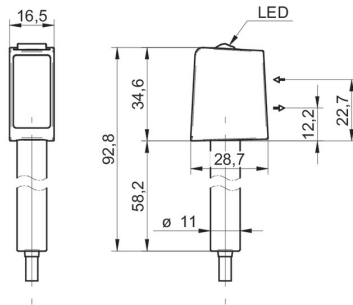
- Magnetic Teach
- IO-Link: V1.1, filter functions, qTeach lock adjustable

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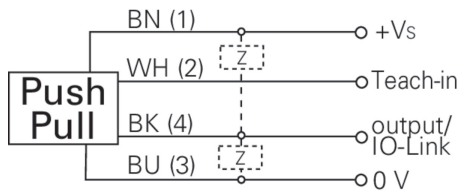
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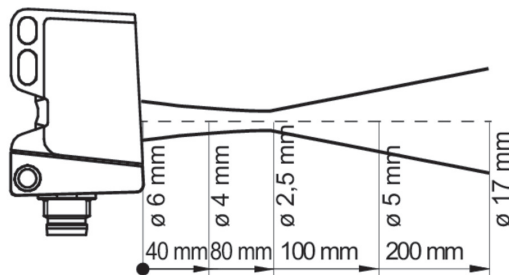
### Dimension drawing



### Connection diagram



### Beam characteristic (typically)



### Sensing distance diagram

