

## O300.GP-PV1T.72CU/T003

Diffuse sensors with background suppression - miniature

Article number: 11135829

### Overview

- background suppression
- 30 ... 200 mm
- pulsed PinPoint LED
- PNP complementary
- qTeach / 1-Step Teach-in
- cable 4 pin, 2 m
- 25 ... 60 °C
- IP 67



Picture similar



### Technical data

#### General data

|                                     |                          |
|-------------------------------------|--------------------------|
| Type                                | Background suppression   |
| 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         | qTeach / 1-Step Teach-in |
| 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         |

#### Electrical data

|                             |                      |
|-----------------------------|----------------------|
| Current consumption typ.    | 30 mA                |
| Voltage drop Vd             | < 3 VDC              |
| Output function             | Light / dark operate |
| Output circuit              | PNP complementary    |
| 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    |

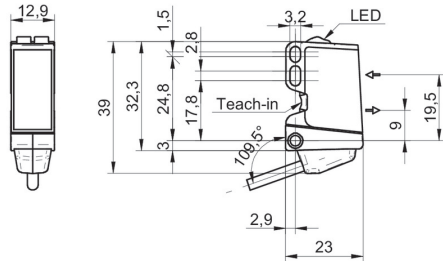
#### Ambient conditions

|                       |                |
|-----------------------|----------------|
| Protection class      | IP 67          |
| Operating temperature | -25 ... +60 °C |

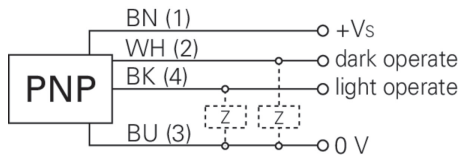
### Remarks

- qTeach

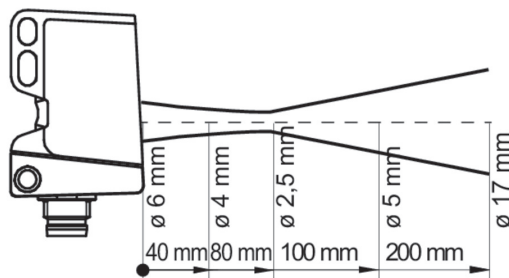
## Dimension drawing



## Connection diagram



## Beam characteristic (typically)



## Sensing distance diagram

