

## FHDH 14G6901/IO

Diffuse sensors with background suppression - hygiene

Article number: 11096625

### Overview

- background suppression
- 50 ... 400 mm
- pulsed red LED
- push-pull
- IO-Link
- Teach-in
- cable 4 pin, 2 m
- 30 ... 60 °C
- IP 68/69K & proTect+



Picture similar



### Technical data

#### General data

|                               |                        |
|-------------------------------|------------------------|
| Type                          | Background suppression |
| Special type                  | Hygienic design        |
| Light source                  | Pulsed red LED         |
| Sensing distance Tw           | 50 ... 400 mm          |
| Sensing range Tb (at Tw max.) | 20 ... 400 mm          |
| Sensing range Tb (at Tw min.) | 20 ... 50 mm           |
| Power on indication           | LED green              |
| Output indicator              | LED red                |
| Sensitivity adjustment        | IO-Link                |
| Sensing distance adjustment   | Teach-in               |
| Wave length                   | 660 nm                 |
| Approvals/certificates        | Ecolab<br>EHEDG        |

#### Electrical data

|                                    |               |
|------------------------------------|---------------|
| Response time / release time       | < 1,8 ms      |
| Voltage supply range +Vs           | 10 ... 30 VDC |
| Current consumption max. (no load) | 40 mA         |

#### Electrical data

|                             |                      |
|-----------------------------|----------------------|
| Current consumption typ.    | 35 mA                |
| Voltage drop Vd             | < 2 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 | 19,6 mm                      |
| Height / length  | 52,2 mm                      |
| Depth            | 34,3 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 | -30 ... +60 °C       |
| Storage temperature   | -30 ... +70 °C       |

## FHDH 14G6901/IO

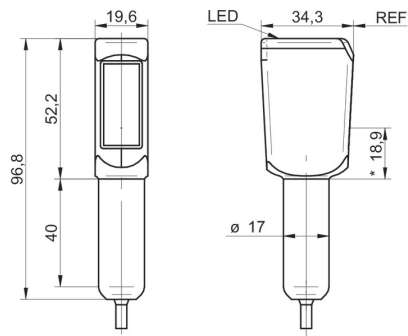
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### Remarks

- Sensor FDA compliant, EHEDG certified and Ecolab approved
- IO-Link: output signal, service status, object presence
- Sensitivity adjustable: via Teach-in wire input

### Dimension drawing



- \* emitter axis

### Connection diagram

