

## IFBR 17P33T1/S14L-9

Inductive proximity switch - hygiene

Article number: 11014605

### Overview

- 12 mm
- PNP break function (NC)
- connector M12
- 40 ... 80 °C
- IP 68/69K & proTect+



Picture similar



### Technical data

#### General data

|  |   |
|--|---|
| Mounting type                              | Non-flush   |
| Special type                               | Hygienic design   |
| Nominal sensing distance<br>S <sub>n</sub> | 12 mm   |
| Hysteresis                                 | 2 ... 15 % of S <sub>r</sub>  |
| Output indicator                           | LED red   |
| Approvals/certificates                     | Ecolab<br>Adapted from EHEDG<br>REGULATION (EC) 1935/2004<br>REGULATION (EC) 2023/2006<br>REGULATION (EU) 1282/2011<br>FDA 21 CFR § 175.300<br>FDA 21 CFR § 177.2600<br>FCN 742 |

#### Electrical data

|                                       |              |
|---------------------------------------|--------------|
| Switching frequency                   | < 500 Hz     |
| Voltage supply range +V <sub>s</sub>  | 6 ... 30 VDC |
| Current consumption max.<br>(no load) | 10 mA        |

#### Electrical data

|   |                         |
|---|-------------------------|
| Output circuit                              | PNP break function (NC) |
| Voltage drop V <sub>d</sub>                 | < 2 VDC                 |
| Output current                              | < 200 mA                |
| Output current (at cleaning<br>temperature) | < 100 mA                |
| Short circuit protection                    | Yes                     |
| Reverse polarity protection                 | Yes                     |

#### Mechanical data

|                         |                                   |
|-------------------------|-----------------------------------|
| Type                    | Cylindrical smooth                |
| Material (sensing face) | LCP                               |
| Housing material        | Stainless steel 1.4404 (V4A); LSR |
| Dimension               | 17 mm                             |
| Housing length          | 60 mm                             |
| Connection types        | Connector M12                     |

#### Ambient conditions

|                       |                             |
|-----------------------|-----------------------------|
| Operating temperature | -40 ... +80 °C              |
| Cleaning temperature  | 80 ... +100 °C (30 min/day) |
| Protection class      | IP 68/69K & proTect+        |

### Remarks

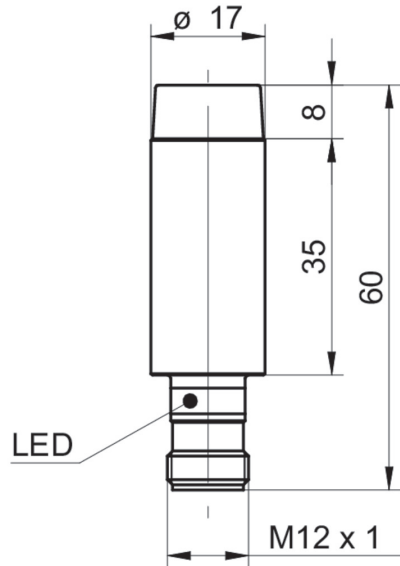
- Sensor compliant with various food regulations (see approvals)
- LSR = Liquid Silicon Rubber

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### Dimension drawing



### Connection diagram

