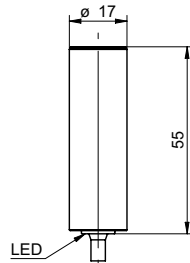


## Inductive proximity switch

## IFBR 17P17T1/L-9

## dimension drawing



## general data

|                                |  |
|--------------------------------|--|
| mounting type                  | quasi-flush  |
| special type                   | hygienic design  |
| nominal sensing distance $S_n$ | 8 mm   |
| hysteresis                     | 2 ... 15 % of $S_r$  |
| output indicator               | LED red  |
| approvals/certificates         | Ecolab<br>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 +Vs                 | 10 ... 30 VDC          |
| current consumption max. (no load)       | 10 mA                  |
| output circuit                           | PNP make function (NO) |
| voltage drop $V_d$                       | < 2 VDC                |
| output current                           | < 200 mA               |
| output current (at cleaning 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          | 55 mm                             |
| connection types        | cable PVC, 2 m                    |

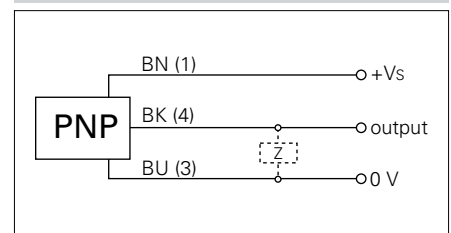
## ambient conditions

|                       |                             |
|-----------------------|-----------------------------|
| operating temperature | -40 ... +80 °C              |
| cleaning temperature  | 80 ... +100 °C (30 min/day) |
| protection class      | IP 68/69K & proTect+        |

## photo



## connection diagram



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