

## Overview

- 1 mm
- PNP make function (NO)
- cable, 2 m
- -25 ... 75 °C
- IP 67



Picture similar



## Technical data

### General data

|                                            |                              |
|--------------------------------------------|------------------------------|
| Mounting type                              | Flush                        |
| Nominal sensing distance<br>S <sub>n</sub> | 1 mm                         |
| Hysteresis                                 | 2 ... 20 % of S <sub>r</sub> |
| Output indicator                           | LED red                      |

### Electrical data

|                                       |                        |
|---------------------------------------|------------------------|
| Switching frequency                   | < 5 kHz                |
| Voltage supply range +V <sub>s</sub>  | 6 ... 30 VDC           |
| Current consumption max.<br>(no load) | 12 mA                  |
| Output circuit                        | PNP make function (NO) |
| Voltage drop V <sub>d</sub>           | < 2 VDC                |
| Output current                        | < 200 mA               |

### Electrical data

|                             |     |
|-----------------------------|-----|
| Short circuit protection    | Yes |
| Reverse polarity protection | Yes |

### Mechanical data

|                         |                      |
|-------------------------|----------------------|
| Type                    | Cylindrical threaded |
| Material (sensing face) | LCP                  |
| Housing material        | Stainless steel      |
| Dimension               | 5 mm                 |
| Housing length          | 25 mm                |
| Connection types        | Cable, 2 m           |
| Tightening torque max.  | 2 Nm (Front: 1,4 Nm) |

### Ambient conditions

|                       |                |
|-----------------------|----------------|
| Operating temperature | -25 ... +75 °C |
| Protection class      | IP 67          |

## Remarks

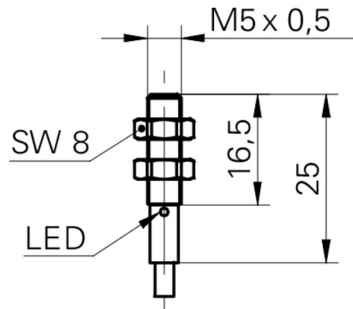
- Standard execution with PUR cable
- 25 mm housing length

## IFRM 05P15A1/L

Inductive proximity switch - subminiature

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### Dimension drawing



### Connection diagram

