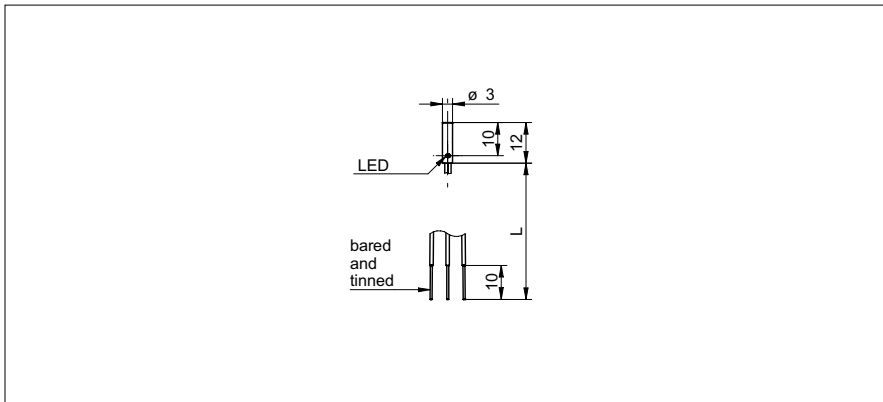


**Inductive proximity switch**

**IFRM 03P3713/QL**

**dimension drawing**



**general data**

|                                |  |
|--------------------------------|--|
| mounting type                  | flush  |
| nominal sensing distance $S_n$ | 1 mm   |
| temperature drift              | - 5 % / + 10 % (+10 ... +60 °C)<br>- 5 % / + 15 % (-10 ... +70 °C) |
| hysteresis                     | 2 ... 20 % of $S_r$  |
| output indicator               | LED red  |

**electrical data**

|                                    |                         |
|------------------------------------|-------------------------|
| switching frequency                | < 4 kHz                 |
| voltage supply range +Vs           | 6 ... 30 VDC            |
| current consumption max. (no load) | 10 mA                   |
| output circuit                     | PNP break function (NC) |
| voltage drop Vd                    | < 2 VDC                 |
| output current                     | < 100 mA                |
| short circuit protection           | yes                     |
| reverse polarity protection        | yes                     |

**mechanical data**

|                         |                    |
|-------------------------|--------------------|
| type                    | cylindrical smooth |
| material (sensing face) | POM                |
| housing material        | stainless steel    |
| dimension               | 3 mm               |
| housing length          | 12 mm              |
| connection types        | wires, 0,5 m       |

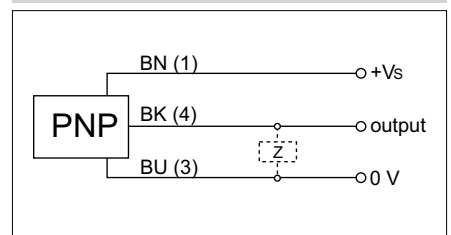
**ambient conditions**

|                       |                |
|-----------------------|----------------|
| operating temperature | -10 ... +70 °C |
| protection class      | IP 67          |

**photo**



**connection diagram**



- fully contained, 3 individual strands
- cable version: 16 mm housing length
- individual strands: 12 mm housing length