

## Overview

- 1 mm
- NPN break function (NC)
- wires, 0,5 m
- -10 ... 70 °C
- IP 67



*Picture similar*



## Technical data

### General data

|                                |                                                                    |
|--------------------------------|--------------------------------------------------------------------|
| Mounting type                  | Flush                                                              |
| Nominal sensing distance<br>Sn | 1 mm                                                               |
| Temperature drift              | - 5 % / + 10 % (+10 ... +60 °C)<br>- 5 % / + 15 % (-10 ... +70 °C) |
| Hysteresis                     | 2 ... 20 % of Sr                                                   |
| Output indicator               | LED red                                                            |

### Electrical data

|                                       |                         |
|---------------------------------------|-------------------------|
| Switching frequency                   | 4 kHz                   |
| Voltage supply range +Vs              | 6 ... 30 VDC            |
| Current consumption max.<br>(no load) | 10 mA                   |
| Output circuit                        | NPN break function (NC) |
| Voltage drop Vd                       | < 2 VDC                 |

### Electrical data

|                             |          |
|-----------------------------|----------|
| 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          |

## Remarks

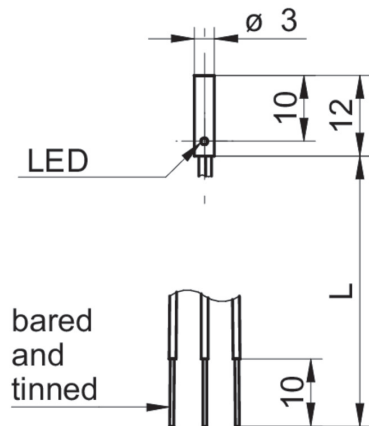
- Fully contained, 3 individual strands
- Cable version: 16 mm housing length
- Individual strands: 12 mm housing length

## IFRM 03N3713/QL

Inductive proximity switch - subminiature extreme

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### Dimension drawing



### Connection diagram

