

#### overview

- 1 mm
- NPN break function (NC)
- wires, 0,5 m
- -25 ... 75 °C
- IP 67



#### 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> |

##### electrical data

|                                       |                         |
|---------------------------------------|-------------------------|
| switching frequency                   | < 5 kHz                 |
| voltage supply range +V <sub>s</sub>  | 10 ... 30 VDC           |
| current consumption max.<br>(no load) | 12 mA                   |
| output circuit                        | NPN break function (NC) |
| voltage drop V <sub>d</sub>           | < 2 VDC                 |
| output current                        | < 100 mA                |
| short circuit protection              | yes                     |

##### electrical data

|                             |     |
|-----------------------------|-----|
| reverse polarity protection | yes |
|-----------------------------|-----|

##### mechanical data

|                         |                      |
|-------------------------|----------------------|
| type                    | cylindrical threaded |
| material (sensing face) | LCP                  |
| housing material        | stainless steel      |
| dimension               | 5 mm                 |
| housing length          | 15 mm                |
| connection types        | wires, 0,5 m         |
| tightening torque max.  | 2 Nm (Front: 1,4 Nm) |

##### ambient conditions

|                       |                |
|-----------------------|----------------|
| operating temperature | -25 ... +75 °C |
| protection class      | IP 67          |

#### remarks

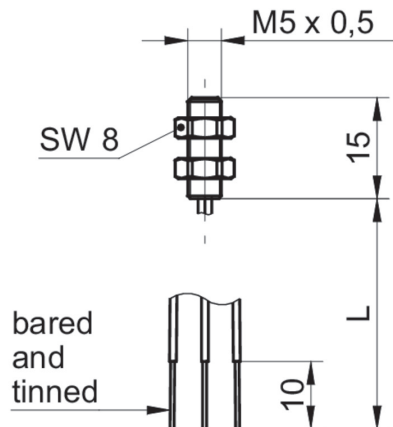
- fully contained, 3 individual strands
- 15 mm housing length

## IFRM 05N35A5/Q

Inductive proximity switch - subminiature

Article number: 10144463

### dimension drawing



### connection diagram

