

**IFRM 12N17X1/L**

Inductive proximity switch

Article number: 11096374

**overview**

- 4 mm
- NPN make function (NO)
- cable, 2 m
- IP 67



**Technical data**

**general data**

|                                            |                              |
|--------------------------------------------|------------------------------|
| mounting type                              | flush                        |
| nominal sensing distance<br>S <sub>n</sub> | 4 mm                         |
| hysteresis                                 | 3 ... 20 % of S <sub>r</sub> |
| output indicator                           | LED red                      |
| approvals/certificates                     | ATEX 3D                      |

**electrical data**

|                                       |                        |
|---------------------------------------|------------------------|
| switching frequency                   | < 2 kHz                |
| voltage supply range +V <sub>s</sub>  | 10 ... 30 VDC          |
| current consumption max.<br>(no load) | 10 mA                  |
| output circuit                        | NPN make function (NO) |
| voltage drop V <sub>d</sub>           | < 2 VDC                |
| output current                        | < 200 mA               |
| short circuit protection              | yes                    |

**electrical data**

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

**mechanical data**

|                         |                      |
|-------------------------|----------------------|
| type                    | cylindrical threaded |
| material (sensing face) | PBT                  |
| housing material        | brass nickel plated  |
| dimension               | 12 mm                |
| housing length          | 30,4 mm              |
| connection types        | cable, 2 m           |
| tightening torque max.  | 15 Nm (Front: 10 Nm) |

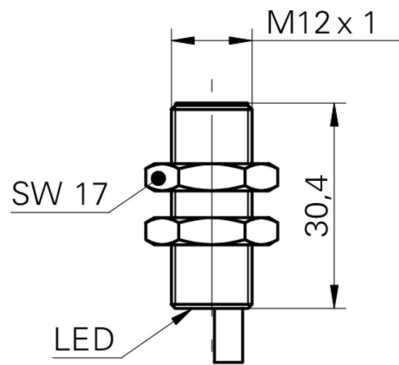
**ambient conditions**

|                  |       |
|------------------|-------|
| protection class | IP 67 |
|------------------|-------|

**safe maximum values**

|                                      |                              |
|--------------------------------------|------------------------------|
| marking                              | II 3D Ex tc IIIC T100°C Dc X |
| operating temperature T <sub>a</sub> | -25 ... +65 °C               |

**dimension drawing**



**connection diagram**

