

**IFRM 12P3704/L**

Inductive proximity switch - standard

Article number: 10160350

**overview**

- 4 mm
- PNP break function (NC)
- cable, 2 m
- -25 ... 75 °C
- 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                      |

**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                        | PNP break function (NC) |
| 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) | PBT                  |
| housing material        | brass nickel plated  |
| dimension               | 12 mm                |
| housing length          | 50 mm                |
| connection types        | cable, 2 m           |
| tightening torque max.  | 15 Nm (Front: 10 Nm) |

**ambient conditions**

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

**remarks**

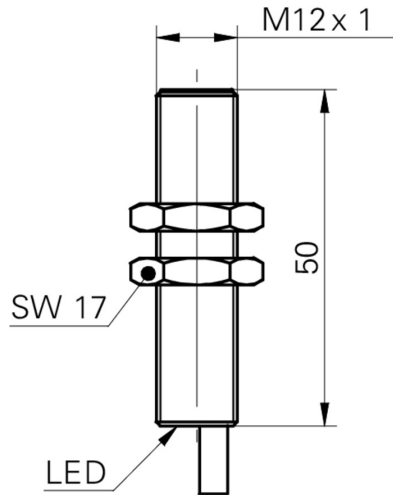
- extra long housing

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### dimension drawing



### connection diagram

