

IFRM 12N33T1/S14L

Inductive proximity switch - outdoor and washdown

Article number: 11016678

overview

- 6 mm
- NPN break function (NC)
- connector M12
- -40 ... 80 °C
- IP 67



Technical data

general data

|                                            |                              |
|--------------------------------------------|------------------------------|
| mounting type                              | non-flush                    |
| special type                               | Outdoor design               |
| nominal sensing distance<br>S <sub>n</sub> | 6 mm                         |
| hysteresis                                 | 2 ... 15 % 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                        | NPN 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          | 60 mm                |
| connection types        | connector M12        |
| tightening torque max.  | 15 Nm (Front: 10 Nm) |

ambient conditions

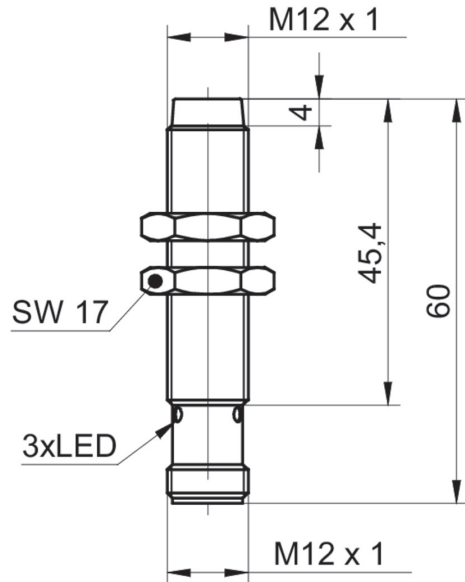
|                       |                |
|-----------------------|----------------|
| operating temperature | -40 ... +80 °C |
| protection class      | IP 67          |

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### dimension drawing



### connection diagram

