

## IFRM 30P3501/S14L

Inductive proximity switch - standard

Article number: 10229768

### overview

- 10 mm
- PNP break function (NC)
- connector M12
- -25 ... 75 °C
- IP 67



### Technical data

#### general data

|                                            |                              |
|--------------------------------------------|------------------------------|
| mounting type                              | flush                        |
| nominal sensing distance<br>S <sub>n</sub> | 10 mm                        |
| hysteresis                                 | 3 ... 20 % of S <sub>r</sub> |
| output indicator                           | 4 port LED red               |

#### electrical data

|                                       |                         |
|---------------------------------------|-------------------------|
| switching frequency                   | < 500 Hz                |
| voltage supply range +V <sub>s</sub>  | 10 ... 50 VDC           |
| current consumption max.<br>(no load) | 10 mA                   |
| output circuit                        | PNP break function (NC) |
| voltage drop V <sub>d</sub>           | < 3 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               | 30 mm                  |
| housing length          | 65 mm                  |
| connection types        | connector M12          |
| tightening torque max.  | 200 Nm (Front: 140 Nm) |

#### ambient conditions

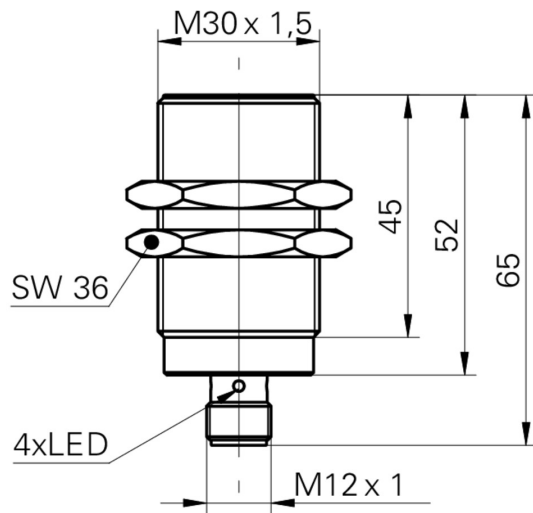
|                       |                |
|-----------------------|----------------|
| operating temperature | -25 ... +75 °C |
| protection class      | IP 67          |

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### dimension drawing



### connection diagram

