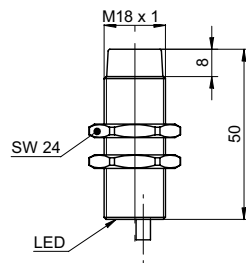


## Inductive proximity switch

## IFRM 18N33T1/PL

## dimension drawing



## general data

|                                |                     |
|--------------------------------|---------------------|
| mounting type                  | non-flush           |
| special type                   | Outdoor             |
| nominal sensing distance $S_n$ | 12 mm               |
| hysteresis                     | 2 ... 15 % of $S_r$ |
| output indicator               | LED red             |

## electrical data

|                                    |                         |
|------------------------------------|-------------------------|
| switching frequency                | < 500 Hz                |
| voltage supply range +Vs           | 10 ... 30 VDC           |
| current consumption max. (no load) | 10 mA                   |
| output circuit                     | NPN break function (NC) |
| voltage drop $V_d$                 | < 2 VDC                 |
| output current                     | < 200 mA                |
| short circuit protection           | yes                     |
| reverse polarity protection        | yes                     |

## mechanical data

|                         |                         |
|-------------------------|-------------------------|
| type                    | cylindrical threaded    |
| material (sensing face) | PBT                     |
| housing material        | brass nickel plated     |
| dimension               | 18 mm                   |
| housing length          | 50 mm                   |
| connection types        | cable PUR 3 x 0,25, 2 m |

## ambient conditions

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

## photo



## connection diagram

