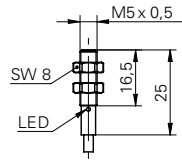


**Inductive proximity switch**

**IFRM 05N37A1/PL**

**dimension drawing**



**general data**

|                                |                     |
|--------------------------------|---------------------|
| mounting type                  | flush               |
| nominal sensing distance $S_n$ | 1,6 mm              |
| hysteresis                     | 2 ... 20 % of $S_r$ |
| output indicator               | LED red             |

**electrical data**

|                                    |                         |
|------------------------------------|-------------------------|
| switching frequency                | < 3 kHz                 |
| voltage supply range +Vs           | 10 ... 30 VDC           |
| current consumption max. (no load) | 12 mA                   |
| output circuit                     | NPN break function (NC) |
| voltage drop $V_d$                 | < 2 VDC                 |
| output current                     | < 100 mA                |
| short circuit protection           | yes                     |
| reverse polarity protection        | yes                     |

**mechanical data**

|                         |                      |
|-------------------------|----------------------|
| type                    | cylindrical threaded |
| material (sensing face) | LCP                  |
| housing material        | stainless steel      |
| dimension               | 5 mm                 |
| housing length          | 25 mm                |
| connection types        | cable, 2 m           |

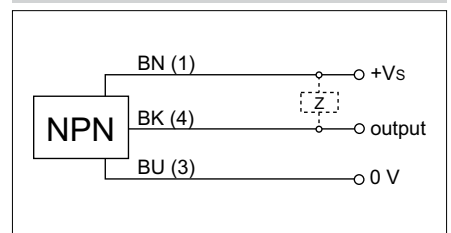
**ambient conditions**

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

**photo**



**connection diagram**



- standard execution with PUR cable
- 25 mm housing length