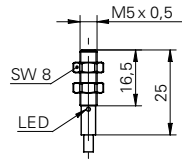


# Inductive proximity switch

**IFRM 05P17A1/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                     | PNP make function (NO) |
| voltage drop Vd                    | < 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           |

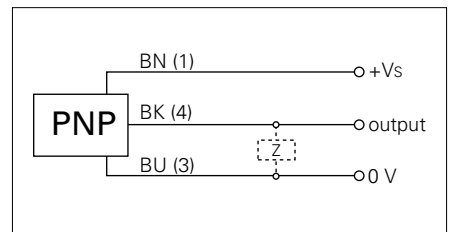
## ambient conditions

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

## photo



## connection diagram



- standard execution with PUR cable
- 25 mm housing length