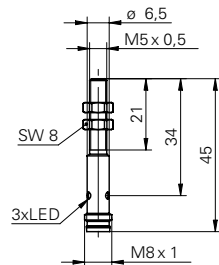


## Inductive proximity switch

## IFRM 05P35A1/S35L

## dimension drawing



## general data

|                                |                     |
|--------------------------------|---------------------|
| mounting type                  | shielded            |
| nominal sensing distance $S_n$ | 1 mm                |
| hysteresis                     | 2 ... 20 % of $S_r$ |
| output indicator               | 3 port LED red      |

## electrical data

|                             |                         |
|-----------------------------|-------------------------|
| switching frequency         | < 5 kHz                 |
| voltage supply range +Vs    | 10 ... 30 VDC           |
| current consumption max.    | 12 mA                   |
| output circuit              | PNP break function (NC) |
| 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          | 45 mm                |
| connection types        | connector M8         |

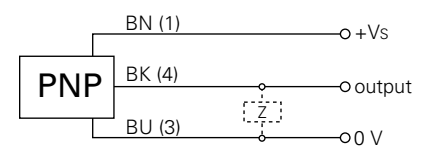
## ambient conditions

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

## photo



## connection diagram



- M8 x 1 quick disconnect
- 3 port LED