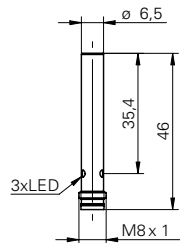


## Inductive proximity switch

## IFRM 06N37A1/S35L

## dimension drawing



## general data

|                                |                     |
|--------------------------------|---------------------|
| mounting type                  | shielded            |
| nominal sensing distance $S_n$ | 2 mm                |
| hysteresis                     | 3 ... 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. (no load) | 12 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 smooth |
| material (sensing face) | PBT                |
| housing material        | stainless steel    |
| dimension               | 6,5 mm             |
| housing length          | 46 mm              |
| connection types        | connector M8       |

## ambient conditions

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

## photo



## connection diagram



- robust steel housings
- high switching frequency