Baumer
Passion for Sensors

Inductive proximity switch

# IFRM 08N37A1/S35L

Inductive proximity switch - miniature

Article number: 10141537

## overview

- 2 mm
- NPN break function (NC)
- connector M8
- -25 … 75 °C
- IP 67

## Technical data

| general data | |
|---|---|
| mounting type | flush |
| nominal sensing distance Sn | 2 mm |
| hysteresis | 3 … 20 % of Sr |
| 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 Vd | < 2 VDC |
| output current | < 200 mA |

| electrical data | |
|---|---|
| short circuit protection | yes |
| reverse polarity protection | yes |
| **mechanical data** | |
| type | cylindrical threaded |
| material (sensing face) | PBT |
| housing material | stainless steel |
| dimension | 8 mm |
| housing length | 46 mm |
| connection types | connector M8 |
| tightening torque max. | 10 Nm (Front: 7 Nm) |
| **ambient conditions** | |
| operating temperature | -25 … +75 °C |
| protection class | IP 67 |

## remarks

- long robust steel housings
- high switching frequency

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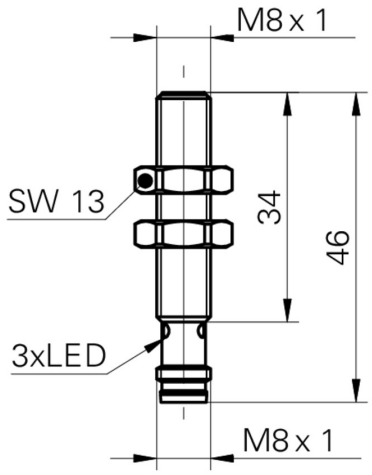
## dimension drawing




## connection diagram