

#### overview

- 2 mm
- PNP break function (NC)
- flylead connector M8
- -25 ... 75 °C
- IP 67



#### Technical data

##### general data

|                                            |                              |
|--------------------------------------------|------------------------------|
| mounting type                              | flush                        |
| nominal sensing distance<br>S <sub>n</sub> | 2 mm                         |
| hysteresis                                 | 3 ... 20 % of S <sub>r</sub> |
| output indicator                           | LED red                      |

##### electrical data

|                                       |                         |
|---------------------------------------|-------------------------|
| switching frequency                   | < 5 kHz                 |
| voltage supply range +V <sub>s</sub>  | 10 ... 30 VDC           |
| current consumption max.<br>(no load) | 12 mA                   |
| output circuit                        | PNP break function (NC) |
| voltage drop V <sub>d</sub>           | < 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          | 30 mm                |
| connection types        | flylead connector M8 |
| tightening torque max.  | 10 Nm (Front: 7 Nm)  |

##### ambient conditions

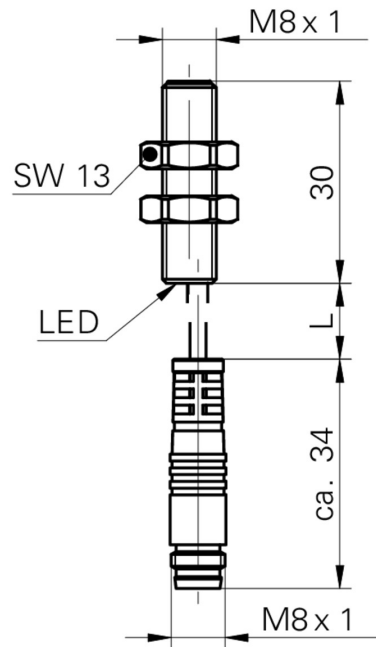
|                       |                |
|-----------------------|----------------|
| operating temperature | -25 ... +75 °C |
| protection class      | IP 67          |

## IFRM 08P3701/KS35L

Inductive proximity switch - miniature

Article number: 10160316

### dimension drawing



### connection diagram

