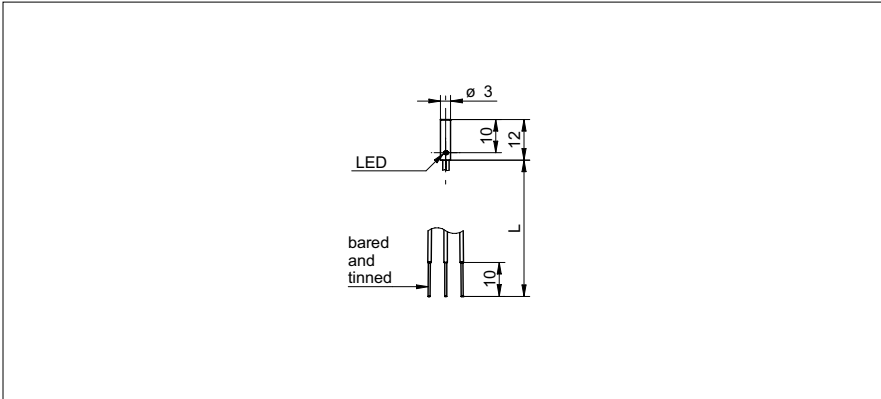


Inductive proximity switch

IFRM 03N3713/QL

dimension drawing



general data

| | |
|--------------------------------|--|
| mounting type | flush |
| nominal sensing distance S_n | 1 mm |
| temperature drift | - 5 % / + 10 % (+10 ... +60 °C) - 5 % / + 15 % (-10 ... +70 °C) |
| hysteresis | 2 ... 20 % of S_r |
| output indicator | LED red |

electrical data

| | |
|------------------------------------|-------------------------|
| switching frequency | < 4 kHz |
| voltage supply range +Vs | 6 ... 30 VDC |
| current consumption max. (no load) | 10 mA |
| output circuit | NPN break function (NC) |
| voltage drop Vd | < 2 VDC |
| output current | < 100 mA |
| short circuit protection | yes |
| reverse polarity protection | yes |

mechanical data

| | |
|-------------------------|--------------------|
| type | cylindrical smooth |
| material (sensing face) | POM |
| housing material | stainless steel |
| dimension | 3 mm |
| housing length | 12 mm |
| connection types | wires, 0,5 m |

ambient conditions

| | |
|-----------------------|----------------|
| operating temperature | -10 ... +70 °C |
| protection class | IP 67 |

photo



connection diagram



- fully contained, 3 individual strands
- cable version: 16 mm housing length
- individual strands: 12 mm housing length