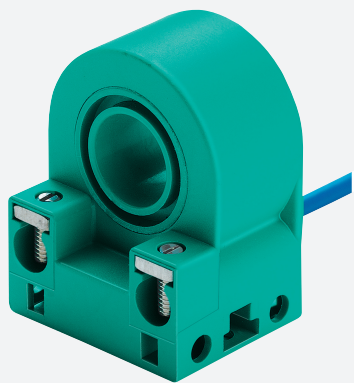


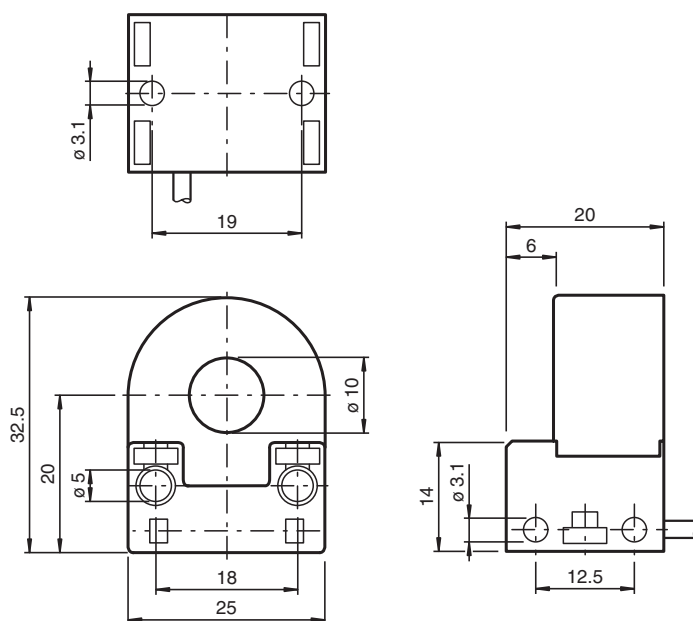


## Inductive ring sensor RC10-14-N0-Y180779

- 10 mm inside diameter
- Comfort series
- 2. actual frequency



### Dimensions



### Technical Data

#### General specifications

|                    |                      |
|--------------------|----------------------|
| Switching function | Normally closed (NC) |
| Output type        | NAMUR                |
| Inside diameter    | 10 mm                |
| Measuring cylinder |                      |
| Diameter           | 2.5 mm               |
| Length             | 4 mm                 |
| Output type        | 2-wire               |

#### Nominal ratings

|                     |       |               |
|---------------------|-------|---------------|
| Nominal voltage     | $U_o$ | 8 V           |
| Switching frequency | f     | 0 ... 2000 Hz |

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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**PEPPERL+FUCHS**

## Technical Data

|                                                 |  |                                                                                                     |
|-------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|
| <b>Current consumption</b>                      |  |                                                                                                     |
| Measuring plate not detected                    |  | min. 3 mA<br>at maximum permissible ambient temperature, the current consumption can drop to 1.6 mA |
| Measuring plate detected                        |  | ≤ 1 mA                                                                                              |
| <b>Functional safety related parameters</b>     |  |                                                                                                     |
| MTTF <sub>d</sub>                               |  | 6150 a                                                                                              |
| Mission Time (T <sub>M</sub> )                  |  | 20 a                                                                                                |
| Diagnostic Coverage (DC)                        |  | 0 %                                                                                                 |
| <b>Compliance with standards and directives</b> |  |                                                                                                     |
| <b>Standard conformity</b>                      |  |                                                                                                     |
| NAMUR                                           |  | EN 60947-5-6:2000<br>IEC 60947-5-6:1999                                                             |
| Electromagnetic compatibility                   |  | NE 21:2007                                                                                          |
| Standards                                       |  | EN 60947-5-2:2007<br>EN 60947-5-2/A1:2012<br>IEC 60947-5-2:2007<br>IEC 60947-5-2 AMD 1:2012         |
| <b>Approvals and certificates</b>               |  |                                                                                                     |
| UL approval                                     |  | cULus Listed, General Purpose                                                                       |
| CSA approval                                    |  | cCSAus Listed, General Purpose                                                                      |
| <b>Ambient conditions</b>                       |  |                                                                                                     |
| Ambient temperature                             |  | -20 ... 65 °C (-4 ... 149 °F)                                                                       |
| <b>Mechanical specifications</b>                |  |                                                                                                     |
| Connection type                                 |  | cable PVC , 2 m                                                                                     |
| Core cross-section                              |  | 0.14 mm <sup>2</sup>                                                                                |
| Housing material                                |  | PBT                                                                                                 |
| Degree of protection                            |  | IP67                                                                                                |
| <b>Cable</b>                                    |  |                                                                                                     |
| Bending radius                                  |  | > 10 x cable diameter                                                                               |
| <b>General information</b>                      |  |                                                                                                     |
| Use in the hazardous area                       |  | see instruction manuals                                                                             |

## Connection

