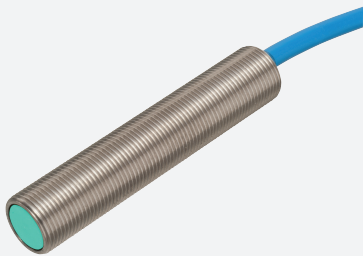


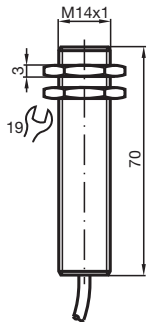
Inductive sensor  
NJ2-11-SN-G-Y07530



■ 2 mm flush



Dimensions



Technical Data

| General specifications            |                |                            |
|-----------------------------------|----------------|----------------------------|
| Switching function                |                | Normally closed (NC)       |
| Output type                       |                | NAMUR with safety function |
| Rated operating distance          | s <sub>n</sub> | 2 mm                       |
| Installation                      |                | flush                      |
| Assured operating distance        | s <sub>a</sub> | 0 ... 1.62 mm              |
| Reduction factor r <sub>Al</sub>  |                | 0.4                        |
| Reduction factor r <sub>Cu</sub>  |                | 0.3                        |
| Reduction factor r <sub>304</sub> |                | 0.85                       |
| Output type                       |                | 2-wire                     |
| Nominal ratings                   |                |                            |
| Nominal voltage                   | U <sub>o</sub> | 8 V                        |
| Operating voltage                 | U <sub>B</sub> | 5 ... 25 V                 |

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

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**PEPPERL+FUCHS**

## Technical Data

|                                                 |   |                                                                                             |
|-------------------------------------------------|---|---------------------------------------------------------------------------------------------|
| Switching frequency                             | f | 0 ... 3000 Hz                                                                               |
| Current consumption                             |   |                                                                                             |
| Measuring plate not detected                    |   | ≥ 3 mA at nominal voltage                                                                   |
| Measuring plate detected                        |   | ≤ 1 mA at nominal voltage                                                                   |
| <b>Compliance with standards and directives</b> |   |                                                                                             |
| Standard conformity                             |   |                                                                                             |
| NAMUR                                           |   | EN 60947-5-6:2000<br>IEC 60947-5-6:1999                                                     |
| 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                             |   | -40 ... 100 °C (-40 ... 212 °F)                                                             |
| <b>Mechanical specifications</b>                |   |                                                                                             |
| Connection type                                 |   | cable silicone , 10 m                                                                       |
| Core cross-section                              |   | 0.34 mm <sup>2</sup>                                                                        |
| Housing material                                |   | Stainless steel 1.4305 / AISI 303                                                           |
| Sensing face                                    |   | PBT                                                                                         |
| Degree of protection                            |   | IP68                                                                                        |
| Cable                                           |   |                                                                                             |
| Cable diameter                                  |   | 4.8 mm ± 0.2 mm                                                                             |
| Bending radius                                  |   | > 10 x cable diameter                                                                       |
| <b>General information</b>                      |   |                                                                                             |
| Use in the hazardous area                       |   | see instruction manuals                                                                     |

## Connection

