

## Inductive sensor

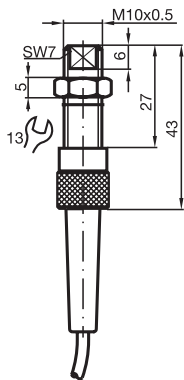
NJ0,2-10GM-N-Y199308



- 0.2 mm flush
- Sensor with dead stop



### Dimensions



### Technical Data

#### General specifications

|                            |       |                      |
|----------------------------|-------|----------------------|
| Switching function         |       | Normally closed (NC) |
| Output type                |       | NAMUR                |
| Rated operating distance   | $s_n$ | 0.2 mm               |
| Installation               |       | flush                |
| Assured operating distance | $s_a$ | 0 ... 0.2 mm         |
| Reduction factor $r_{AI}$  |       | 0.4                  |
| Reduction factor $r_{Cu}$  |       | 0.3                  |
| Reduction factor $r_{304}$ |       | 0.85                 |
| Output type                |       | 2-wire               |

#### Nominal ratings

|                              |       |                                |
|------------------------------|-------|--------------------------------|
| Nominal voltage              | $U_o$ | 8 V                            |
| Operating voltage            | $U_B$ | 5 ... 25 V                     |
| Switching frequency          | $f$   | 0 ... 100 Hz                   |
| Hysteresis                   | $H$   | typ. %                         |
| Current consumption          |       |                                |
| Measuring plate not detected |       | $\geq 3$ mA at nominal voltage |

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

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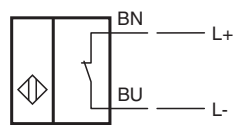
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 **PEPPERL+FUCHS**

Technical Data

|                                          |                                |                                         |
|------------------------------------------|--------------------------------|-----------------------------------------|
| Measuring plate detected                 | ≤ 1 mA at nominal voltage      |                                         |
| Compliance with standards and directives |                                |                                         |
| Standard conformity                      |                                |                                         |
| NAMUR                                    |                                | EN 60947-5-6:2000<br>IEC 60947-5-6:1999 |
| Standards                                | EN IEC 60947-5-2               |                                         |
| Approvals and certificates               |                                |                                         |
| UL approval                              | cULus Listed, General Purpose  |                                         |
| Ambient conditions                       |                                |                                         |
| Ambient temperature                      | -25 ... 70 °C (-13 ... 158 °F) |                                         |
| Mechanical specifications                |                                |                                         |
| Axial load, max.                         | F                              | 0 ... 1200 N                            |
| Connection type                          |                                | 5 m PVC cable (suitable for drag chain) |
| Core cross section                       | 0.34 mm²                       |                                         |
| Housing material                         |                                | stainless steel 1.4034 / AISI 420       |
| Degree of protection                     | IP67                           |                                         |
| Dimensions                               |                                |                                         |
| Length                                   | 27 mm                          |                                         |
| Diameter                                 |                                | 10 mm                                   |

Connection



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