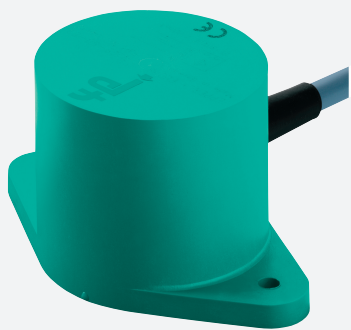


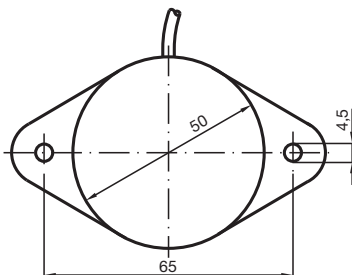
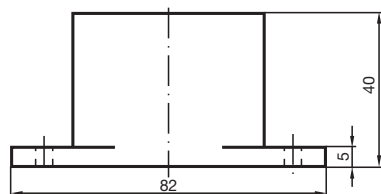


## Inductive sensor NJ25-50-N-15M

- Comfort series
- 25 mm non-flush



### Dimensions



### Technical Data

#### General specifications

|                            |                      |                |
|----------------------------|----------------------|----------------|
| Switching function         | Normally closed (NC) |                |
| Output type                |                      | NAMUR          |
| Rated operating distance   | $s_n$                | 25 mm          |
| Installation               |                      | non-flush      |
| Assured operating distance | $s_a$                | 0 ... 20.25 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     | $U_o$ | 8.2 V ( $R_i$ approx. 1 k $\Omega$ ) |
| Switching frequency | f     | 0 ... 250 Hz                         |
| Current consumption |       |                                      |

Release date: 2020-07-23 Date of issue: 2020-07-23 Filename: 106500\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

## Technical Data

|                                                 |                                                                                             |
|-------------------------------------------------|---------------------------------------------------------------------------------------------|
| Measuring plate not detected                    | min. 3 mA                                                                                   |
| Measuring plate detected                        | ≤ 1 mA                                                                                      |
| <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>               |                                                                                             |
| IECEX approval                                  |                                                                                             |
| Equipment protection level Gb                   | IECEX PTB 11.0037X                                                                          |
| Equipment protection level Da                   | IECEX PTB 11.0037X                                                                          |
| Equipment protection level Mb                   | IECEX PTB 11.0037X                                                                          |
| ATEX approval                                   |                                                                                             |
| Equipment protection level Gb                   | PTB 00 ATEX 2048 X                                                                          |
| Equipment protection level Da                   | PTB 00 ATEX 2048 X                                                                          |
| UL approval                                     | cULus Listed, General Purpose                                                               |
| CSA approval                                    | cCSAus Listed, General Purpose                                                              |
| CCC approval                                    | CCC approval / marking not required for products rated ≤36 V                                |
| <b>Ambient conditions</b>                       |                                                                                             |
| Ambient temperature                             | -25 ... 100 °C (-13 ... 212 °F)                                                             |
| <b>Mechanical specifications</b>                |                                                                                             |
| Connection type                                 | cable                                                                                       |
| Housing material                                | PBT                                                                                         |
| Sensing face                                    | PBT                                                                                         |
| Degree of protection                            | IP67                                                                                        |
| Cable                                           |                                                                                             |
| Cable diameter                                  | 6 mm ± 0.2 mm                                                                               |
| Bending radius                                  | > 10 x cable diameter                                                                       |
| Material                                        | PVC                                                                                         |
| Core cross-section                              | 0.75 mm <sup>2</sup>                                                                        |
| Length                                          | L 15 m                                                                                      |
| <b>General information</b>                      |                                                                                             |
| Use in the hazardous area                       | see instruction manuals                                                                     |

## Connection

