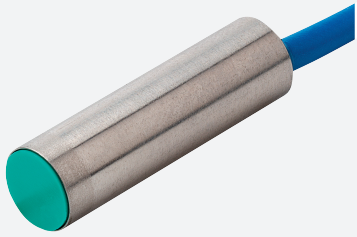


# Inductive sensor

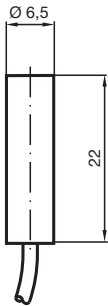
## NJ1,5-6,5-N-Y40232



■ Comfort series



### Dimensions



### Technical Data

#### General specifications

|                            |       |                       |
|----------------------------|-------|-----------------------|
| Switching function         |       | Normally closed (NC)  |
| Output type                |       | NAMUR                 |
| Rated operating distance   | $s_n$ | 1.5 mm                |
| Installation               |       | flush                 |
| Assured operating distance | $s_a$ | 0 ... 1.215 mm        |
| Actual operating distance  | $s_r$ | 1.35 ... 1.65 mm typ. |
| Reduction factor $r_{Al}$  |       | 0.22                  |
| Reduction factor $r_{Cu}$  |       | 0.19                  |
| Reduction factor $r_{304}$ |       | 0.65                  |
| Output type                |       | 2-wire                |

#### Nominal ratings

|                     |       |               |
|---------------------|-------|---------------|
| Nominal voltage     | $U_o$ | 8 V           |
| Switching frequency | $f$   | 0 ... 5000 Hz |

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

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PEPPERL+FUCHS

## Technical Data

|   |   |   |
|---|---|---|
| Hysteresis                                      | H | 1 ... 10 typ. 5 %   |
| Current consumption                             |   |   |
| 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   |
| ANZEx   |   | 18.3018X  |
| <b>Ambient conditions</b>                       |   |   |
| Ambient temperature                             |   | -25 ... 100 °C (-13 ... 212 °F)   |
| <b>Mechanical specifications</b>                |   |   |
| Connection type                                 |   | cable , shielded  |
| Housing material                                |   | Stainless steel 1.4305 / AISI 303   |
| Sensing face                                    |   | PBT   |
| Degree of protection                            |   | IP67  |
| Cable   |   |   |
| Bending radius                                  |   | > 10 x cable diameter   |
| Material  |   | PVC   |
| Core cross section                              |   | 0.14 mm <sup>2</sup>  |
| Length  | L | 2 m   |
| <b>General information</b>                      |   |   |
| Use in the hazardous area                       |   | see instruction manuals   |

## Connection

