

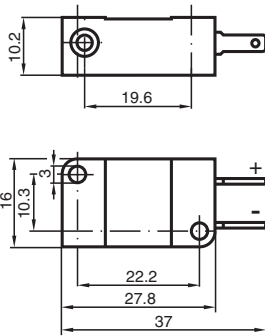
Inductive sensor NCN4-V3-N0-V5



- 4 mm non-flush
- NAMUR output



Dimensions



Technical Data

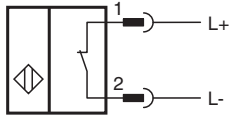
| General specifications | | |
|------------------------------|-------|--------------------------------------|
| Switching function | | Normally closed (NC) |
| Output type | | NAMUR |
| Rated operating distance | s_n | 4 mm |
| Installation | | non-flush |
| Assured operating distance | s_a | 0 ... 3.24 mm |
| Reduction factor r_{Al} | | 0.3 |
| Reduction factor r_{Cu} | | 0.2 |
| Reduction factor r_{304} | | 0.7 |
| Output type | | 2-wire |
| Nominal ratings | | |
| Nominal voltage | U_o | 8.2 V (R_i approx. 1 k Ω) |
| Switching frequency | f | 0 ... 2000 Hz |
| Hysteresis | H | typ. 5 % |
| Current consumption | | |
| Measuring plate not detected | | ≥ 3 mA |
| Measuring plate detected | | ≤ 1 mA |

Release date: 2025-06-12 Date of issue: 2025-06-15 Filename: 70133089_eng.pdf

Technical Data

| | |
|---|---|
| Switching state indicator | LED, yellow |
| Functional safety related parameters | |
| MTTF _d | 1750 a |
| Mission Time (T _M) | 20 a |
| Diagnostic Coverage (DC) | 0 % |
| Compliance with standards and directives | |
| Standard conformity | |
| NAMUR | EN 60947-5-6:2000 IEC 60947-5-6:1999 |
| Electromagnetic compatibility | |
| Standards | NE 21:2007 EN IEC 60947-5-2 |
| Approvals and certificates | |
| IECEX approval | |
| Equipment protection level Ga | IECEX PTB 11.0021X |
| Equipment protection level Gb | IECEX PTB 11.0021X |
| Equipment protection level Da | IECEX PTB 11.0021X |
| Equipment protection level Mb | IECEX PTB 11.0021X |
| ATEX approval | |
| Equipment protection level Ga | PTB 00 ATEX 2032 X |
| Equipment protection level Gb | PTB 00 ATEX 2032 X |
| Equipment protection level Da | PTB 00 ATEX 2032 X |
| UL approval | |
| Ordinary Location | E87056 |
| Hazardous Location | E501628 |
| Control drawing | 116-0451 |
| CCC approval | |
| Hazardous Location | 2020322315002302 |
| NEPSI approval | |
| NEPSI certificate | GYJ16.1394X |
| CML approval | |
| ANZEx | 19.3001X |
| Marine approval | DNVGL TAA00001A5 |
| Ambient conditions | |
| Ambient temperature | -25 ... 100 °C (-13 ... 212 °F) |
| Mechanical specifications | |
| Connection type | 4.8 mm Faston |
| Housing material | PBT |
| Sensing face | PBT |
| Degree of protection | IP67 |
| Tightening torque, fastening screws | ≤ 0.4 Nm |
| Dimensions | |
| Height | 10.2 mm |
| Width | 27.8 mm |
| Length | 16 mm |
| General information | |
| Use in the hazardous area | see instruction manuals |

Connection Assignment



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