

Inductive sensor

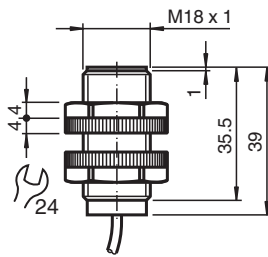
NJ8-18GK-N-Y35899



■ 8 mm non-flush



Dimensions



Technical Data

| General specifications | | |
|------------------------------|-------|--------------------------------------|
| Switching function | | Normally closed (NC) |
| Output type | | NAMUR |
| Rated operating distance | s_n | 8 mm |
| Installation | | non-flush |
| Assured operating distance | s_a | 0 ... 6.48 mm |
| Reduction factor r_{Al} | | 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 Ω) |
| Switching frequency | f | 0 ... 200 Hz |
| Hysteresis | H | 1 ... 7 typ. 4 % |
| Current consumption | | |
| Measuring plate not detected | | min. 3 mA |
| Measuring plate detected | | \leq 1 mA |

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

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Technical Data

| Compliance with standards and directives | | |
|--|---|---|
| Standard conformity | | |
| NAMUR | | EN 60947-5-6:2000 IEC 60947-5-6:1999 |
| Standards | | EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012 |
| Approvals and certificates | | |
| 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 |
| CML approval | | on request |
| ANZEx | | 18.3018X |
| Ambient conditions | | |
| Ambient temperature | | -25 ... 100 °C (-13 ... 212 °F) |
| Mechanical specifications | | |
| Connection type | | cable |
| Housing material | | PBT/PPS |
| Sensing face | | PBT |
| Degree of protection | | IP68 |
| Cable | | |
| Cable diameter | | 6 mm ± 0.2 mm |
| Bending radius | | > 10 x cable diameter |
| Material | | PVC |
| Core cross section | | 0.75 mm ² |
| Length | L | 2 m |
| Dimensions | | |
| Length | | 39 mm |
| Diameter | | 18 mm |
| General information | | |
| Use in the hazardous area | | see instruction manuals |

Connection

