

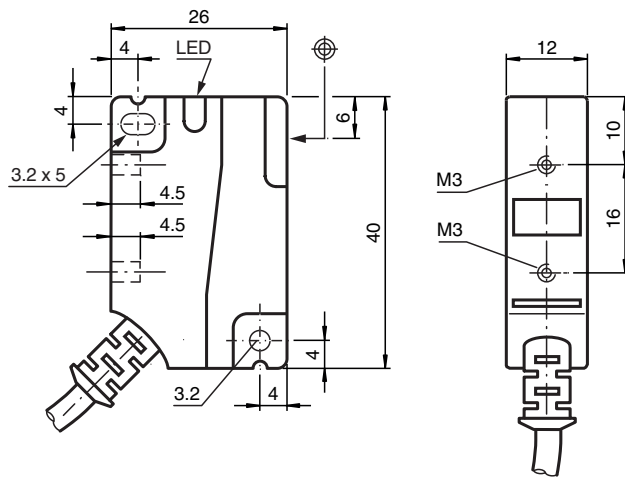


Inductive sensor NBB4-F1-A0 5M

- 4 mm flush
- 4-wire DC



Dimensions



Technical Data

General specifications

| | | |
|------------------------------|-------|---------------|
| Switching function | | complementary |
| Output type | | NPN |
| Rated operating distance | s_n | 4 mm |
| Installation | | flush |
| Output polarity | | DC |
| 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 |
| Reduction factor r_{Brass} | | 0.55 |

Release date: 2022-06-22 Date of issue: 2022-06-22 Filename: 910388_eng.pdf

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

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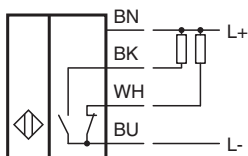
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Technical Data

| | | |
|-------------------------------------|--|----------------------------|
| Output type | 4-wire | |
| Nominal ratings | | |
| Operating voltage | U_B | 10 ... 30 V |
| Switching frequency | f | 0 ... 1400 Hz |
| Hysteresis | H | typ. 5% |
| Reverse polarity protection | | reverse polarity protected |
| Short-circuit protection | | pulsing |
| Voltage drop | U_d | ≤ 2.5 V |
| Rated insulation voltage | U_{BIS} | 60 V |
| Operating current | I_L | 0 ... 250 mA |
| Off-state current | I_r | < 0.5 mA |
| No-load supply current | I_o | ≤ 15 mA |
| Switching state indicator | | LED, yellow |
| Standard conformity | | |
| Standards | IEC / EN 60947-5-2:2004 | |
| Approvals and certificates | | |
| UL approval | cULus Listed, General Purpose | |
| CSA approval | cCSAus Listed, General Purpose | |
| CCC approval | CCC approval / marking not required for products rated ≤ 36 V | |
| Ambient conditions | | |
| Ambient temperature | $-25 \dots 70$ °C ($-13 \dots 158$ °F) | |
| Mechanical specifications | | |
| Connection type | cable PVC , 5 m | |
| Core cross section | 0.5 mm ² | |
| Housing material | PA, green | |
| Sensing face | PA | |
| Degree of protection | IP67 | |
| Tightening torque, fastening screws | Threading M3 max: 1.1 Nm | |

Connection



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