

Inductive sensor

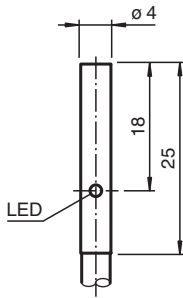
NBB0,8-4M25-E2-Y106003



- 0.8 mm flush
- 3 m connection cable



Dimensions



Technical Data

| General specifications | | |
|-----------------------------|-------|----------------------------|
| Switching function | | Normally open (NO) |
| Output type | | PNP |
| Rated operating distance | s_n | 0.8 mm |
| Installation | | flush |
| Output polarity | | DC |
| Assured operating distance | s_a | 0 ... 0.648 mm |
| Reduction factor r_{Al} | | 0.45 |
| Reduction factor r_{Cu} | | 0.4 |
| Reduction factor r_{304} | | 0.77 |
| Output type | | 3-wire |
| Nominal ratings | | |
| Operating voltage | U_B | 10 ... 30 V |
| Switching frequency | f | 0 ... 3000 Hz |
| Hysteresis | H | typ. 5% |
| Reverse polarity protection | | reverse polarity protected |

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

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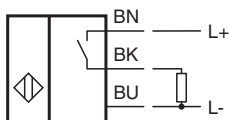
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pf PEPPERL+FUCHS

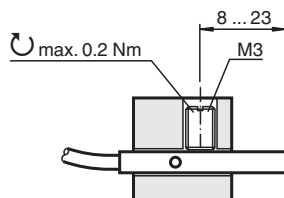
Technical Data

| | | |
|---|-------|---|
| Short-circuit protection | | pulsing |
| Voltage drop | U_d | $\leq 3\text{ V}$ |
| Operating current | I_L | 0 ... 200 mA |
| Off-state current | I_r | 0 ... 0.1 mA typ. 0.1 μA at 25 °C |
| No-load supply current | I_0 | $\leq 10\text{ mA}$ |
| Switching state indicator | | LED, yellow |
| Functional safety related parameters | | |
| MTTF _d | | 1400 a |
| Mission Time (T _M) | | 20 a |
| Diagnostic Coverage (DC) | | 0 % |
| Compliance with standards and directives | | |
| Standard conformity | | |
| 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 | | |
| UL approval | | cULus Listed, General Purpose |
| CSA approval | | cCSAus Listed, General Purpose |
| CCC approval | | CCC approval / marking not required for products rated $\leq 36\text{ V}$ |
| Ambient conditions | | |
| Ambient temperature | | -25 ... 70 °C (-13 ... 158 °F) |
| Mechanical specifications | | |
| Connection type | | cable PUR , 3 m |
| Core cross-section | | 0.14 mm ² |
| Housing material | | Stainless steel 1.4305 / AISI 303 |
| Sensing face | | PC |
| Degree of protection | | IP67 |

Connection



Mounting



Accessories

| | | |
|---|-------------|-----------------------|
|  | BF 4 | Mounting flange, 4 mm |
|---|-------------|-----------------------|

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