## Model Number

**NBB1,5-4M25-E2-5M-PUR**

## Features

- **Basic series**

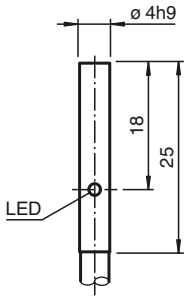
## Accessories

**BF 4**
Mounting flange, 4 mm

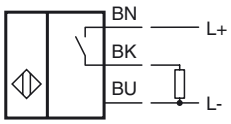
## Technical Data

| | | |
|---|---|---|
| **General specifications** | | |
| Switching function | | Normally open (NO) |
| Output type | | PNP |
| Rated operating distance | $s_n$ | 1.5 mm |
| Installation | | flush |
| Output polarity | | DC |
| Assured operating distance | $s_a$ | 0 ... 1.215 mm |
| Reduction factor $r_{Al}$ | | 0.46 |
| Reduction factor $r_{Cu}$ | | 0.41 |
| Reduction factor $r_{304}$ | | 0.89 |
| Reduction factor $r_{Brass}$ | | 0.59 |
| Output type | | 3-wire |
| **Nominal ratings** | | |
| Operating voltage | $U_B$ | 10 ... 30 V |
| Switching frequency | f | 0 ... 3000 Hz |
| Hysteresis | H | 1 ... 15 % |
| Reverse polarity protection | | reverse polarity protected |
| Short-circuit protection | | yes |
| Voltage drop | $U_d$ | ≤ 3 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 | $I_0$ | ≤ 10 mA |
| Switching state indicator | | LED, yellow |
| **Ambient conditions** | | |
| Ambient temperature | | -25 ... 70 °C (-13 ... 158 °F) |
| **Mechanical specifications** | | |
| Connection type | | cable PUR , 5 m |
| Core cross-section | | 0.14 $mm^2$ |
| Housing material | | Stainless steel 1.4305 / AISI 303 |
| Sensing face | | POM |
| Degree of protection | | IP67 |
| Cable | | |
| Cable diameter | | 3 mm ± 0.2 mm |
| Bending radius | | > 10 x cable diameter |
| **Compliance with standards and directives** | | |
| Standard conformity | | |
| 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 |
| **Approvals and certificates** | | |
| CCC approval | | CCC approval / marking not required for products rated ≤36 V |

## Dimensions




## Electrical Connection

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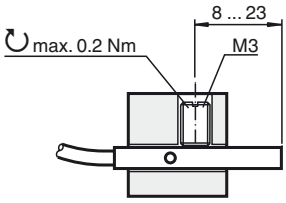


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