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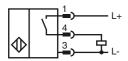
Model Number

NBB2-8GH40-E2-V3

Features

- Increased operating distance
- . Materials used compliant with FDA
- Housing with stainless steel (V4A; 1.4435)

Connection



Pinout



Wire colors in accordance with EN 60947-5-2

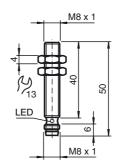
| 1 | BN | (brown) |
|---|----|---------|
| 3 | BU | (blue) |
| 4 | BK | (black) |

Accessories

BF 8 Mounting flange, 8 mm V3-GMV4A-5M-PUR

V3-WMV4A-5M-PUR

Dimensions



| Tec | hni | ical | D | ata |
|-----|-----|------|---|-----|
| | | | | |

| General specifications | | |
|-------------------------------------|----------------|-----------|
| Switching element function | | PNP NO |
| Rated operating distance | s _n | 2 mm |
| Installation | | flush |
| Output polarity | | DC |
| Assured operating distance | sa | 0 1.62 mm |
| Reduction factor r _{Al} | | 0.25 |
| Reduction factor r _{Cu} | | 0.2 |
| Reduction factor r ₃₀₄ | | 0.63 |
| Reduction factor r _{Brass} | | 0.31 |
| Nominal ratings | | |
| Operating voltage | U _B | 10 30 V |
| | | |

| lominal ratings | | |
|----------------------------|----------------|----------------------------|
| Operating voltage | U _B | 10 30 V |
| Switching frequency | f | 0 1500 Hz |
| Hysteresis | Н | typ. 5 % |
| Reverse polarity protected | | reverse polarity protected |
| Short-circuit protection | | pulsing |
| Voltage drop | U_d | ≤ 3 V |
| Operating current | - In | 0 100 mA |

Ambient conditions
Ambient temperature -25 ... 70 °C (-13 ... 158 °F)

Mechanical specifications

Connection type M8 x 1 connector, 3-pin
Housing material Stainless steel 1.4435 / AISI 316L
Sensing face LCP, (conforms with FDA)
Protection degree IP67

Compliance with standards and directives

Standard conformity

Standards

EN 60947-5-2:2007
IEC 60947-5-2:2007

Approvals and certificates

UL approval cULus Listed, General Purpose
CSA approval cCSAus Listed, General Purpose
CCC approval Products with a maximum operating voltage of ≤36 V do not bear a
CCC marking because they do not require approval.