

NBN4-12GM50-E3-V1 | 087776 | NBN4 12GM50 E3 V1 | NBN412GM50E3V1 |

4 mm non-flush

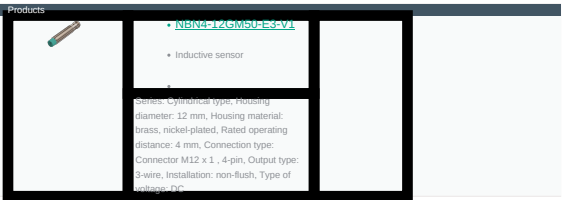
Rating: Not Rated Yet
Price

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Description

Inductive sensor NBN4-12GM50-E3-V1

- 4 mm non-flush



Click for [product data/ Data Sheet](#)

General specifications

- Switching element function = PNP NC
- Rated operating distance = 4 mm
- Installation = non-flush
- Output polarity = DC
- Assured operating distance = 0 ... 3.24 mm
- Reduction factor rAl = 0.5
- Reduction factor rCu = 0.4

Reduction factor $r_{304} = 0.8$

Hysteresis = typ. 5%

Nominal ratings

Operating voltage = 10 ... 30 V

Switching frequency = 0 ... 1200 Hz

Reverse polarity protection = reverse polarity protected

Short-circuit protection = pulsing

Voltage drop = ? 3 V

Repeat accuracy = ? 0.01 mm

Operating current = 0 ... 200 mA

Off-state current = 0 ... 0.5 mA typ. 0.1 μ A at 25 °C

No-load supply current = ? 17 mA

Switching state indicator = LED, yellow

Functional safety related parameters

MTTFd = 990 a

Mission Time (TM) = 20 a

Diagnostic Coverage (DC) = 0 %

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 ... 70 °C (-13 ... 158 °F)

Mechanical specifications

Connection type = Connector M12 x 1 , 4-pin

Housing material = brass, nickel-plated

Sensing face = PBT

Housing diameter = 12 mm

Degree of protection = IP67

General information

Scope of delivery = 2 self locking nuts in scope of delivery

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