



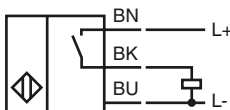
Model Number

NMN10-12GM50-E2-F

Features

- 10 mm not embeddable
- Active surface metal
- One-piece housing with stainless steel (V4A; 1.4435)

Connection

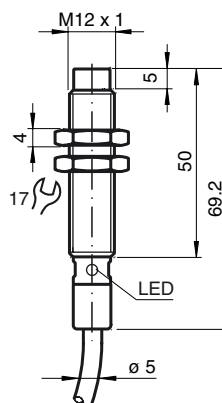


Accessories

BF 12

Mounting flange, 12 mm

Dimensions



Technical Data

General specifications

| | | |
|-----------------------------|--------------------------------------|--------------|
| Switching element function | PNP | NO |
| Rated operating distance | s_n | 10 mm |
| Installation | not embeddable | |
| Output polarity | DC | |
| Assured operating distance | s_a | 0 ... 8.1 mm |
| Reduction factor r_{Al} | 1 | |
| Reduction factor r_{Cu} | 0.8 | |
| Reduction factor r_{304} | 0.5 (0.7 of material thickness 2 mm) | |
| Reduction factor r_{Si37} | 1 | |

Nominal ratings

| | | |
|-----------------------------------|-------------|-------------------|
| Operating voltage | U_B | 10 ... 30 V |
| Switching frequency | f | 0 ... 400 Hz |
| Hysteresis | H | 3 ... 15 typ. 5 % |
| Reverse polarity protected | yes | |
| Short-circuit protection | yes | |
| Voltage drop | U_d | ≤ 2 V |
| Operating current | I_L | 0 ... 200 mA |
| Off-state current | I_r | ≤ 0.1 mA |
| No-load supply current | I_0 | ≤ 10 mA |
| Indication of the switching state | LED, yellow | |

Limit data

| | |
|-------------------------------|--------------------------|
| Operating pressure statically | 80 bar (1160.3 psi) max. |
|-------------------------------|--------------------------|

Ambient conditions

| | |
|---------------------|--------------------------------|
| Ambient temperature | -25 ... 85 °C (-13 ... 185 °F) |
|---------------------|--------------------------------|

Mechanical specifications

| | |
|-------------------|------------------------------------|
| Connection type | cable TPE-S , 2 m |
| Housing material | Stainless steel 1.4435 / AISI 316L |
| Sensing face | Stainless steel 1.4435 / AISI 316L |
| Protection degree | IP68 / IP69K |
| Mass | 86 g |

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. |