



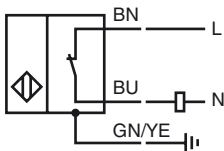
Model Number

NJ2-12GM50-WO

Features

- 2 mm embeddable
- 2-wire AC

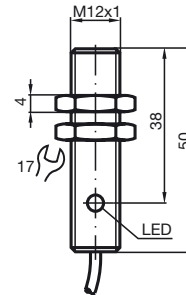
Connection



Accessories

- BF 12**
Mounting flange, 12 mm
- EXG-12**
Quick mounting bracket with dead stop

Dimensions



Technical Data

| General specifications | | |
|--|-------|--|
| Switching element function | AC | NC |
| Rated operating distance | s_n | 2 mm |
| Installation | | embeddable |
| Output polarity | | AC |
| Assured operating distance | s_a | 0 ... 1.62 mm |
| Reduction factor r_{Al} | | 0.1 |
| Reduction factor r_{Cu} | | 0.1 |
| Reduction factor r_{304} | | 0.6 |
| Nominal ratings | | |
| Operating voltage | U_B | 20 ... 253 V |
| Switching frequency | f | 0 ... 20 Hz |
| Reverse polarity protected | | tolerant |
| Voltage drop | U_d | typ. 4 V at 15 ... 200 mA typ. 6.5 V at 5 mA |
| Momentary current (20 ms, 0.1 Hz) | | 0 ... 1200 mA |
| Operating current | I_L | 5 ... 200 mA |
| Off-state current | I_r | typ. 0.7 mA |
| Indication of the switching state | | LED, yellow |
| Ambient conditions | | |
| Ambient temperature | | -25 ... 70 °C (-13 ... 158 °F) |
| Mechanical specifications | | |
| Connection type | | 2 cable PVC, 2 m |
| Core cross-section | | 0.34 mm ² |
| Housing material | | Stainless steel 1.4305 / AISI 303 |
| Sensing face | | PBT |
| Protection degree | | IP67 |
| Note | | ¹⁾ In the temperature range below 0 °C, permissible operating voltage U_b 80...253 V Safety fuse ≤ 2 A (quick-blow) according to IEC 60127-2 Sheet 1 Recommendation: after a short circuit, check that the device is functioning correctly. |
| General information | | |
| Scope of delivery | | 2 self locking nuts in scope of delivery |
| Compliance with standards and directives | | |
| Standard conformity | | 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 | | Certified by China Compulsory Certification (CCC) |

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