



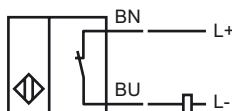
Model Number

NCN4-12GM40-Z1

Features

- 4 mm not embeddable
- 2-wire DC

Connection

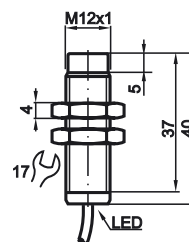


Accessories

BF 12

Mounting flange, 12 mm

Dimensions



Technical Data

General specifications

| | | |
|----------------------------|----------------|---------------|
| Switching element function | DC | NC |
| Rated operating distance | s_n | 4 mm |
| Installation | not embeddable | |
| Output polarity | DC | |
| Assured operating distance | s_a | 0 ... 3.24 mm |
| Reduction factor r_{Al} | 0.42 | |
| Reduction factor r_{Cu} | 0.4 | |
| Reduction factor r_{303} | 0.75 | |

Nominal ratings

| | | |
|-----------------------------------|---------------------------|-------------------|
| Operating voltage | U_B | 5 ... 60 V |
| Switching frequency | f | 0 ... 800 Hz |
| Hysteresis | H | 1 ... 10 typ. 5 % |
| Reverse polarity protected | tolerant | |
| Short-circuit protection | pulsing | |
| Voltage drop | U_d | ≤ 5 V |
| Operating current | I_L | 2 ... 100 mA |
| Lowest operating current | I_m | 2 mA |
| Off-state current | I_r | 0 ... 0.5 mA typ. |
| Indication of the switching state | all direction LED, yellow | |

Ambient conditions

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

Mechanical specifications

| | |
|--------------------|-----------------------------------|
| Connection type | cabl PUR , 2 m |
| Core cross-section | 0.14 mm ² |
| Housing material | Stainless steel 1.4305 / AISI 303 |
| Sensing face | PBT |
| 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 | Certified by China Compulsory Certification (CCC) |