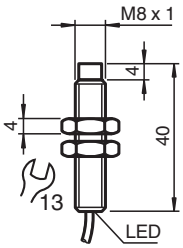


# Inductive sensor

# NCN2-8GM40-Z0

- 2 mm non-flush
- 2-wire DC

## Dimensions




## Technical Data

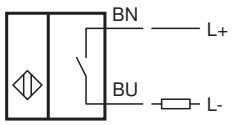
| | | |
|---|---|---|
| **General specifications** | | |
| Switching function | | Normally open (NO) |
| Output type | | Two-wire |
| Rated operating distance | $s_n$ | 2 mm |
| Installation | | non-flush |
| Output polarity | | DC |
| Assured operating distance | $s_a$ | 0 ... 1.62 mm |
| Actual operating distance | $s_r$ | 1.8 ... 2.2 mm typ. |
| Reduction factor $r_{Al}$ | | 0.4 |
| Reduction factor $r_{Cu}$ | | 0.39 |
| Reduction factor $r_{304}$ | | 0.75 |
| Output type | | 2-wire |
| **Nominal ratings** | | |
| Operating voltage | $U_B$ | 5 ... 60 V |
| Switching frequency | f | 0 ... 1200 Hz |
| Hysteresis | H | 1 ... 10 typ. 5 % |
| Reverse polarity protection | | reverse polarity tolerant |

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## Technical Data

| | | |
|---|---|---|
| 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. |
| Switching state indicator | | LED, yellow |
| **Compliance with standards and directives** | | |
| Standard conformity | | |
| Standards | | EN IEC 60947-5-2 |
| **Approvals and certificates** | | |
| UL approval | | cULus Listed, General Purpose |
| CCC approval | | Certified by China Compulsory Certification (CCC) |
| **Ambient conditions** | | |
| Ambient temperature | | -25 ... 70 °C (-13 ... 158 °F) |
| **Mechanical specifications** | | |
| Connection type | | cable PUR , 2 m |
| Core cross section | | 0.14 mm² |
| Housing material | | Stainless steel 1.4305 / AISI 303 |
| Sensing face | | PBT |
| Degree of protection | | IP67 |
| Dimensions | | |
| Length | | 40 mm |
| Diameter | | 8 mm |

## Connection




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