

Inductive sensor

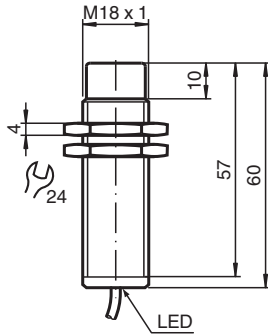
NCN8-18GM60-Z0-15M-Y805778



- 8 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 | 8 mm |
| Installation | | non-flush |
| Output polarity | | DC |
| Assured operating distance | s_a | 0 ... 6.48 mm |
| Actual operating distance | s_r | 7.2 ... 8.8 mm typ. 8 mm |
| Reduction factor r_{Al} | | 0.44 |
| Reduction factor r_{Cu} | | 0.4 |
| Reduction factor r_{304} | | 0.7 |
| Output type | | 2-wire |

Nominal ratings

| | | |
|-----------------------------|-------|---------------------------|
| Operating voltage | U_B | 5 ... 60 V |
| Switching frequency | f | 0 ... 300 Hz |
| Hysteresis | H | 1 ... 10 % typ. 5 % |
| Reverse polarity protection | | reverse polarity 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 |

Release date: 2024-12-10 Date of issue: 2024-12-10 Filename: 805778_eng.pdf

Technical Data

| | | |
|---|-------|-----------------------------------|
| Off-state current | I_r | 0 ... 0.5 mA typ. |
| Switching state indicator | | all direction LED, yellow |
| Functional safety related parameters | | |
| MTTF _d | | 1739 a |
| Mission Time (T _M) | | 20 a |
| Diagnostic Coverage (DC) | | 0 % |
| Compliance with standards and directives | | |
| Standard conformity | | |
| Standards | | EN IEC 60947-5-2 |
| Approvals and certificates | | |
| UL approval | | cULus Listed, General Purpose |
| Ambient conditions | | |
| Ambient temperature | | -25 ... 70 °C (-13 ... 158 °F) |
| Mechanical specifications | | |
| Connection type | | cable |
| Housing material | | Stainless steel 1.4305 / AISI 303 |
| Sensing face | | PBT |
| Degree of protection | | IP67 |
| Cable | | |
| Wire end ferrules | | yes |
| Cable diameter | | 4.8 mm ± 0.2 mm |
| Bending radius | | > 10 x cable diameter |
| Material | | PUR |
| Color | | black |
| Number of cores | | 2 |
| Core cross section | | 0.34 mm ² |
| Length | L | 15 m |
| Dimensions | | |
| Length | | 60 mm |
| Diameter | | 18 mm |

Connection

