



Model Number

NCN8-18GM40-Z0

Features

- Comfort series
- 8 mm non-flush
- 2-wire DC

Accessories

BF 18

Mounting flange, 18 mm

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 ... 6.5 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 |
| 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 % |

Ambient conditions

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

Mechanical specifications

| | |
|----------------------|-----------------------------------|
| Connection type | cable PUR, 2 m |
| Core cross-section | 0.34 mm ² |
| Housing material | Stainless steel 1.4305 / AISI 303 |
| Sensing face | PBT |
| Degree of protection | IP67 |

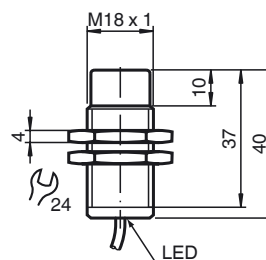
Compliance with standards and directives

| | |
|---------------------|--|
| Standard conformity | |
| Standards | EN 60947-5-2:2007 IEC 60947-5-2:2007 Non-standard connector assignment |

Approvals and certificates

| | |
|--------------|---|
| UL approval | cULus Listed, General Purpose |
| CSA approval | cCSAus Listed, General Purpose |
| CCC approval | Certified by China Compulsory Certification (CCC) |

Dimensions



Electrical Connection

