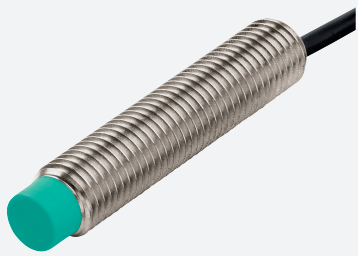


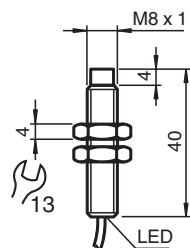
# Inductive sensor NCN2-8GM40-Z0



- 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                |

### 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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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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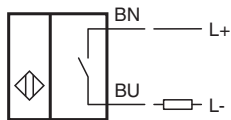
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**PEPPERL+FUCHS**

## Technical Data

|                                                 |       |                                                   |
|-------------------------------------------------|-------|---------------------------------------------------|
| Short-circuit protection                        |       | pulsing                                           |
| Voltage drop                                    | $U_d$ | $\leq 5 \text{ V}$                                |
| 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                                       |
| <b>Compliance with standards and directives</b> |       |                                                   |
| Standard conformity                             |       |                                                   |
| Standards                                       |       | EN 60947-5-2:2007<br>IEC 60947-5-2:2007           |
| <b>Approvals and certificates</b>               |       |                                                   |
| UL approval                                     |       | cULus Listed, General Purpose                     |
| CSA approval                                    |       | cCSAus Listed, General Purpose                    |
| CCC approval                                    |       | Certified by China Compulsory Certification (CCC) |
| <b>Ambient conditions</b>                       |       |                                                   |
| Ambient temperature                             |       | -25 ... 70 °C (-13 ... 158 °F)                    |
| <b>Mechanical specifications</b>                |       |                                                   |
| Connection type                                 |       | cabl PUR , 2 m                                    |
| Core cross-section                              |       | 0.14 mm <sup>2</sup>                              |
| Housing material                                |       | Stainless steel 1.4305 / AISI 303                 |
| Sensing face                                    |       | PBT                                               |
| Degree of protection                            |       | IP67                                              |

## Connection



## Accessories

|                                                                                     |               |                                       |
|-------------------------------------------------------------------------------------|---------------|---------------------------------------|
|  | <b>BF 8</b>   | Mounting flange, 8 mm                 |
|  | <b>EXG-08</b> | Quick mounting bracket with dead stop |