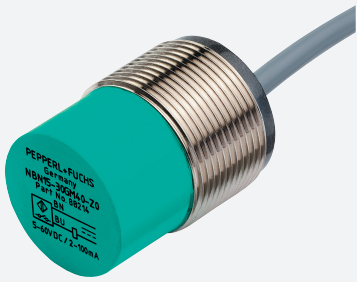


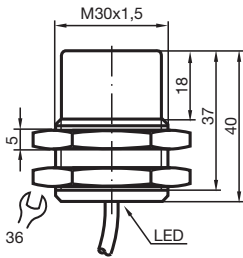
Inductive sensor NCN15-30GM40-Z0



- Comfort series
- 15 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 | 15 mm |
| Installation | | non-flush |
| Output polarity | | DC |
| Assured operating distance | s_a | 0 ... 12.2 mm |
| Actual operating distance | s_r | 13.5 ... 16.5 mm typ. |
| Reduction factor r_{AI} | | 0.38 |
| Reduction factor r_{Cu} | | 0.35 |
| Reduction factor r_{304} | | 0.68 |
| Output type | | 2-wire |

Nominal ratings

| | | |
|-------------------|-------|------------|
| Operating voltage | U_B | 5 ... 60 V |
|-------------------|-------|------------|

Release date: 2020-12-10 Date of issue: 2020-12-10 Filename: 089268_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

pf PEPPERL+FUCHS

Technical Data

| | | |
|--------------------------------|-------|---------------------------|
| Switching frequency | f | 0 ... 100 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. |
| Time delay before availability | t_v | \leq |
| Switching state indicator | | all direction LED, yellow |

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) |

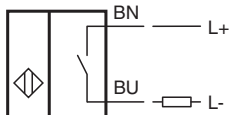
Ambient conditions

| | | |
|---------------------|--|--------------------------------|
| 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 |

Connection



Accessories

| | | |
|---|--------------|------------------------|
|  | BF 30 | Mounting flange, 30 mm |
|---|--------------|------------------------|