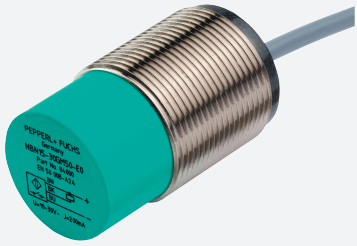


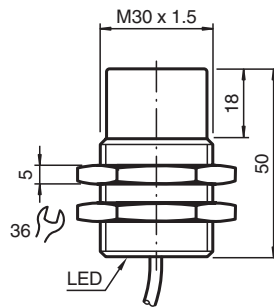
Inductive sensor NCN25-30GM50-Z5



- 25 mm non-flush
- 2-wire DC
- Increased operating distance



Dimensions



Technical Data

General specifications

| | | |
|------------------------------|-------|----------------------|
| Switching function | | Normally closed (NC) |
| Output type | | Two-wire |
| Rated operating distance | s_n | 25 mm |
| Installation | | non-flush |
| Output polarity | | DC |
| Assured operating distance | s_a | 0 ... 20 mm |
| Reduction factor r_{Al} | | 0.4 |
| Reduction factor r_{Cu} | | 0.4 |
| Reduction factor r_{304} | | 0.7 |
| Reduction factor r_{Brass} | | 0.5 |

Nominal ratings

| | | |
|-----------------------------|-------|-----------------------------|
| Operating voltage | U_B | 3.5 ... 30 V |
| Switching frequency | f | 500 Hz |
| Reverse polarity protection | | reverse polarity-conductive |
| Short-circuit protection | | pulsing |

Release date: 2020-03-23 Date of issue: 2020-03-30 Filename: 182915_eng.pdf

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

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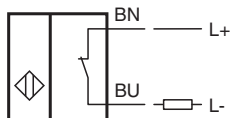
Singapore: +65 6779 9091
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PEPPERL+FUCHS

Technical Data

| | | |
|---|-------|--|
| Voltage drop | U_d | $\leq 3.5 \text{ V}$ |
| Temperature drift | | $\pm 15\%$ |
| Operating current | I_L | 2 ... 100 mA |
| Off-state current | I_r | typ. 0.8 mA |
| Switching state indicator | | 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 | | CCC approval / marking not required for products rated $\leq 36 \text{ V}$ |
| Ambient conditions | | |
| Ambient temperature | | $-25 \dots 70 \text{ }^\circ\text{C}$ ($-13 \dots 158 \text{ }^\circ\text{F}$) |
| Storage temperature | | $-25 \dots 85 \text{ }^\circ\text{C}$ ($-13 \dots 185 \text{ }^\circ\text{F}$) |
| Mechanical specifications | | |
| Connection type | | cabl PVC , 2 m |
| Core cross-section | | 0.34 mm ² |
| Housing material | | brass, nickel-plated |
| Sensing face | | PBT |
| Degree of protection | | IP67 |

Connection



Accessories

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