

Inductive sensor

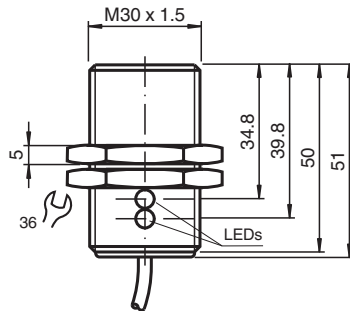
NBB15-30GM50-UO-5M



- Cylindrical
- 15 mm flush
- 2-wire AC/DC



Dimensions



Technical Data

General specifications

| | | |
|----------------------------|-------|----------------------|
| Switching function | | Normally closed (NC) |
| Output type | | Two-wire |
| Rated operating distance | s_n | 15 mm |
| Installation | | flush |
| Output polarity | | AC/DC |
| Reduction factor r_{Al} | | 0.5 |
| Reduction factor r_{Cu} | | 0.45 |
| Reduction factor r_{304} | | 0.75 |
| Output type | | 3-wire |

Nominal ratings

| | | |
|-----------------------------|-------|---------------------|
| Switching frequency | f | 30 Hz |
| Hysteresis | H | 3 ... 15 % typ. 5 % |
| Reverse polarity protection | | yes |
| Short-circuit protection | | yes |
| Voltage drop | U_d | ≤ 8 V |
| Rated operating current | I_e | 4 ... 500 mA AC/DC |
| Off-state current | I_r | ≤ 0.8 mA |
| Operating voltage indicator | | LED, green |
| Switching state indicator | | LED, yellow |

Electrical specifications

| | | |
|-------------------------|-------|--------------------|
| Rated operating voltage | U_e | 20 ... 250 V AC/DC |
|-------------------------|-------|--------------------|

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

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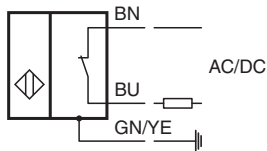
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Technical Data

| 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) |
| Storage temperature | | -40 ... 85 °C (-40 ... 185 °F) |
| Mechanical specifications | | |
| Connection type | | cable |
| Housing material | | brass, nickel-plated |
| Sensing face | | PBT |
| Degree of protection | | IP67 |
| Cable | | |
| Wire end ferrules | | yes |
| Bending radius | | > 10 x cable diameter |
| Material | | PUR |
| Color | | black |
| Number of cores | | 3 |
| Core cross section | | 0.5 mm ² |
| Length | L | 5 m |
| Dimensions | | |
| Length | | 50 mm |
| Diameter | | 30 mm |

Connection



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