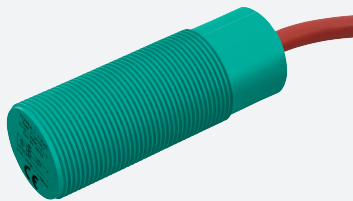


# Inductive sensor

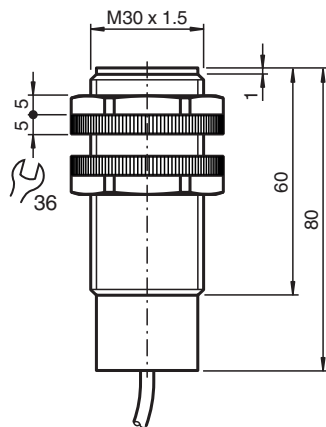
## NJ15-30GK-E-T



- Comfort series
- 15 mm non-flush
- Temperature range  
-25 ... 100 °C (-13 ... 212 °F)



### Dimensions



### Technical Data

#### General specifications

|                            |       |                    |
|----------------------------|-------|--------------------|
| Switching function         |       | Normally open (NO) |
| Output type                |       | NPN                |
| Rated operating distance   | $s_n$ | 15 mm              |
| Installation               |       | non-flush          |
| Output polarity            |       | DC                 |
| Assured operating distance | $s_a$ | 0 ... 12.15 mm     |
| Reduction factor $r_{Al}$  |       | 0.4                |
| Reduction factor $r_{Cu}$  |       | 0.3                |
| Reduction factor $r_{304}$ |       | 0.85               |

#### Nominal ratings

|                             |       |                            |
|-----------------------------|-------|----------------------------|
| Operating voltage           | $U_B$ | 10 ... 30 V                |
| Switching frequency         | $f$   | 0 ... 300 Hz               |
| Hysteresis                  | $H$   | 0 ... 8 typ. 3 %           |
| Reverse polarity protection |       | reverse polarity protected |
| Short-circuit protection    |       | pulsing                    |

Release date: 2020-03-20 Date of issue: 2020-03-30 Filename: 006822\_eng.pdf

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

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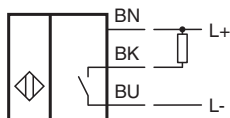
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 **PEPPERL+FUCHS**

## Technical Data

|                                                 |       |                                         |
|-------------------------------------------------|-------|-----------------------------------------|
| Voltage drop                                    | $U_d$ | $\leq 3 \text{ V}$                      |
| Operating current                               | $I_L$ | 0 ... 200 mA                            |
| No-load supply current                          | $I_0$ | $\leq 20 \text{ mA}$                    |
| <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          |
| <b>Ambient conditions</b>                       |       |                                         |
| Ambient temperature                             |       | -25 ... 100 °C (-13 ... 212 °F)         |
| <b>Mechanical specifications</b>                |       |                                         |
| Connection type                                 |       | cablE PUR , 2 m                         |
| Core cross-section                              |       | 0.75 mm <sup>2</sup>                    |
| Housing material                                |       | PBT                                     |
| Sensing face                                    |       | PBT                                     |
| Degree of protection                            |       | IP68                                    |

## Connection



## Accessories


**BF 30**

Mounting flange, 30 mm