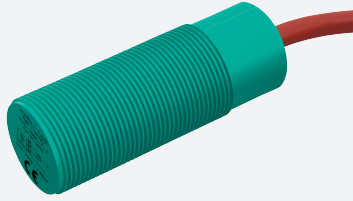


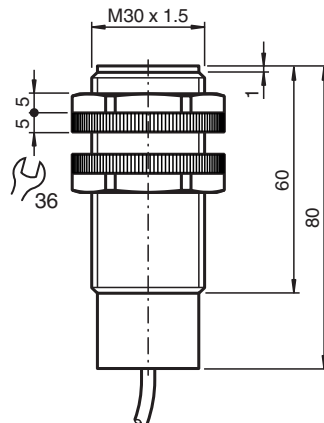
# Inductive sensor NJ15-30GK-E2-T-5M



- 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                |       | PNP                |
| Rated operating distance   | $s_n$ | 15 mm              |
| Installation               |       | non-flush          |
| Output polarity            |       | DC                 |
| Assured operating distance | $s_a$ | 0 ... 12.15 mm     |
| Reduction factor $r_{AI}$  |       | 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                    |

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

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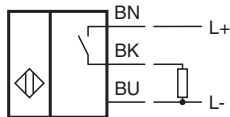
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 **PEPPERL+FUCHS**

Technical Data

|                                          |       |                                         |
|------------------------------------------|-------|-----------------------------------------|
| Voltage drop                             | $U_d$ | $\leq 3\text{ V}$                       |
| Operating current                        | $I_L$ | 0 ... 200 mA                            |
| No-load supply current                   | $I_0$ | $\leq 20\text{ mA}$                     |
| Compliance with standards and directives |       |                                         |
| Standard conformity                      |       |                                         |
| Standards                                |       | EN 60947-5-2:2007<br>IEC 60947-5-2:2007 |
| Approvals and certificates               |       |                                         |
| UL approval                              |       | cULus Listed, General Purpose           |
| CSA approval                             |       | cCSAus Listed, General Purpose          |
| Ambient conditions                       |       |                                         |
| Ambient temperature                      |       | -25 ... 100 °C (-13 ... 212 °F)         |
| Mechanical specifications                |       |                                         |
| Connection type                          |       | cablE PUR , 5 m                         |
| Core cross-section                       |       | 0.75 mm <sup>2</sup>                    |
| Housing material                         |       | PBT                                     |
| Sensing face                             |       | PBT                                     |
| Degree of protection                     |       | IP68                                    |

Connection



Accessories

|  |              |                        |
|--|--------------|------------------------|
|  | <b>BF 30</b> | Mounting flange, 30 mm |
|--|--------------|------------------------|