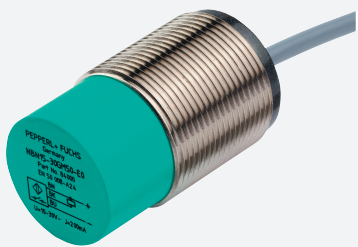


# Inductive sensor

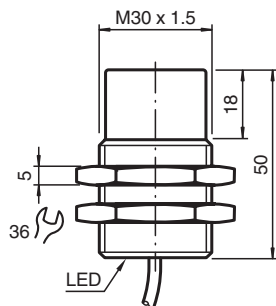
## NCN25-30GM50-Z5



- 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                     |

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

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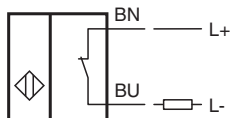
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**PEPPERL+FUCHS**

## Technical Data

|                                                 |       |                                                                            |
|-------------------------------------------------|-------|----------------------------------------------------------------------------|
| Voltage drop                                    | $U_d$ | $\leq 3.5 \text{ V}$                                                       |
| 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                                                                |
| <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                                             |
| CCC approval                                    |       | CCC approval / marking not required for products rated $\leq 36 \text{ V}$ |
| <b>Ambient conditions</b>                       |       |                                                                            |
| Ambient temperature                             |       | -25 ... 70 °C (-13 ... 158 °F)                                             |
| Storage temperature                             |       | -25 ... 85 °C (-13 ... 185 °F)                                             |
| <b>Mechanical specifications</b>                |       |                                                                            |
| Connection type                                 |       | cabl PVC , 2 m                                                             |
| Core cross-section                              |       | 0.34 mm <sup>2</sup>                                                       |
| Housing material                                |       | brass, nickel-plated                                                       |
| Sensing face                                    |       | PBT                                                                        |
| Degree of protection                            |       | IP67                                                                       |

## Connection



## Accessories

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