



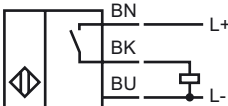
### Model Number

NBB5-18GK50-E2-15M

### Features

- With increased sealing, protection class IP68 / IP69k

### Connection

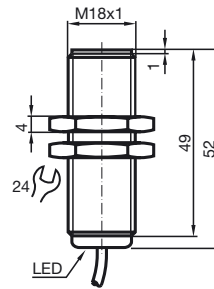


### Accessories

#### BF 18

Mounting flange, 18 mm

### Dimensions



### Technical Data

#### General specifications

|                             |       |               |    |
|-----------------------------|-------|---------------|----|
| Switching element function  |       | PNP           | NO |
| Rated operating distance    | $s_n$ | 5 mm          |    |
| Installation                |       | embeddable    |    |
| Output polarity             |       | DC            |    |
| Assured operating distance  | $s_a$ | 0 ... 4.05 mm |    |
| Reduction factor $r_{Al}$   |       | 0.3           |    |
| Reduction factor $r_{Cu}$   |       | 0.25          |    |
| Reduction factor $r_{V2A}$  |       | 0.7           |    |
| Reduction factor $r_{SI37}$ |       | 1             |    |

#### Nominal ratings

|                                   |       |  |
|-----------------------------------|-------|--|
| Operating voltage                 | $U_B$ | 10 ... 30 V                            |
| Switching frequency               | $f$   | 0 ... 1000 Hz                          |
| Reverse polarity protected        |       | reverse polarity protected             |
| Short-circuit protection          |       | pulsing                                |
| Voltage drop                      | $U_d$ | $\leq 3$ V                             |
| Operating current                 | $I_L$ | 0 ... 200 mA                           |
| Off-state current                 | $I_r$ | 0 ... 0.5 mA typ. 0.1 $\mu$ A at 25 °C |
| No-load supply current            | $I_0$ | $\leq 15$ mA                           |
| Indication of the switching state |       | LED, yellow                            |

#### Ambient conditions

|                     |                                |
|---------------------|--------------------------------|
| Ambient temperature | -25 ... 70 °C (-13 ... 158 °F) |
|---------------------|--------------------------------|

#### Mechanical specifications

|                    |                         |
|--------------------|-------------------------|
| Connection type    | cable PVC, 15 m         |
| Core cross-section | 0.34 mm <sup>2</sup>    |
| Housing material   | PBT                     |
| Sensing face       | PBT                     |
| Protection degree  | IP68 / IP69K            |
| Note               | use only delivered nuts |

#### 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   |
| CCC approval | Products with a maximum operating voltage of $\leq 36$ V do not bear a CCC marking because they do not require approval. |