



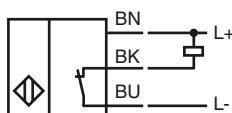
### Model Number

NBB0,6-4GM22-E1

### Features

- 0.6 mm embeddable
- Miniature design

### Connection

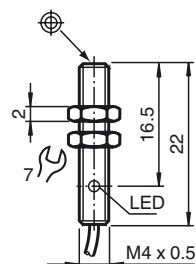


### Accessories

#### BF 4

Mounting flange, 4 mm

### Dimensions



### Technical Data

#### General specifications

|                              |       |                |    |
|------------------------------|-------|----------------|----|
| Switching element function   |       | NPN            | NC |
| Rated operating distance     | $s_n$ | 0.6 mm         |    |
| Installation                 |       | embeddable     |    |
| Output polarity              |       | DC             |    |
| Assured operating distance   | $s_a$ | 0 ... 0.486 mm |    |
| Reduction factor $r_{Al}$    |       | 0.4            |    |
| Reduction factor $r_{Cu}$    |       | 0.29           |    |
| Reduction factor $r_{304}$   |       | 0.76           |    |
| Reduction factor $r_{Brass}$ |       | 0.46           |    |

#### Nominal ratings

|                                   |       |                            |
|-----------------------------------|-------|----------------------------|
| Operating voltage                 | $U_B$ | 10 ... 30 V                |
| Switching frequency               | $f$   | 0 ... 1300 Hz              |
| Hysteresis                        | $H$   | typ. 5%                    |
| Reverse polarity protected        |       | reverse polarity protected |
| Short-circuit protection          |       | pulsing                    |
| Voltage drop                      | $U_d$ | $\leq 3$ V                 |
| Operating current                 | $I_L$ | 0 ... 100 mA               |
| Off-state current                 | $I_r$ | 0 ... 0.1 mA typ. at 25 °C |
| No-load supply current            | $I_0$ | $\leq 10$ mA               |
| Indication of the switching state |       | LED, yellow                |

#### Ambient conditions

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

#### Mechanical specifications

|                    |                                   |
|--------------------|-----------------------------------|
| Connection type    | cable PUR, 2 m                    |
| Core cross-section | 0.055 mm <sup>2</sup>             |
| Housing material   | Stainless steel 1.4305 / AISI 303 |
| Sensing face       | PC                                |
| Protection degree  | IP67                              |

#### 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. |