



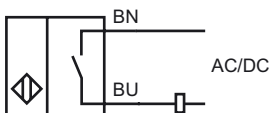
### Model Number

NBB2-V3-US

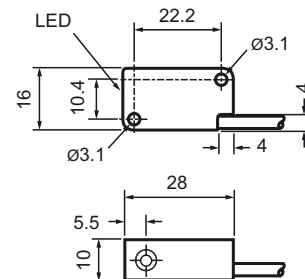
### Features

- Sensing range 2 mm
- 2-wire AC/DC

### Connection



## Dimensions



## Technical Data

### General specifications

|                            |       |                 |
|----------------------------|-------|-----------------|
| Switching element function |       | NO contact      |
| Rated operating distance   | $s_n$ | 2 mm            |
| Installation               |       | flush mountable |
| Output polarity            |       | AC/DC           |

### Nominal ratings

|                                   |       |                  |
|-----------------------------------|-------|------------------|
| Operating voltage DC              |       | 10 ... 140 V     |
| Operating voltage AC              |       | 20 ... 140 V     |
| Switching frequency               | $f$   | 25 Hz            |
| Reverse polarity protection       |       | no               |
| Short-circuit protection          |       | no               |
| Voltage drop                      | $U_d$ | $\leq 7$ V       |
| Operating current                 | $I_L$ | 5 ... 200 mA max |
| Off-state current                 | $I_r$ | $\leq 0.8$ mA    |
| Indication of the switching state |       | LED, red         |

### Ambient conditions

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

### Mechanical specifications

|                    |  |                      |
|--------------------|--|----------------------|
| Connection type    |  | cable PUR            |
| Core cross-section |  | 0.25 mm <sup>2</sup> |
| Housing material   |  | PBT                  |
| Sensing face       |  | PBT                  |
| 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 |