



### Model Number

**NBB2-V3-US**

### Features

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

## Technical Data

### General specifications

Switching function	Normally open (NO)
Output type	Two-wire
Rated operating distance	$s_n$ 2 mm
Installation	flush mountable
Output polarity	AC/DC
Reduction factor $r_{Al}$	0.5
Reduction factor $r_{Cu}$	0.46
Reduction factor $r_{304}$	0.9
Reduction factor $r_{S37}$	1
Reduction factor $r_{Brass}$	0.8

### Nominal ratings

Operating voltage DC	$U_B$	10 ... 140 V
Operating voltage AC	$U_B$	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
Switching state indicator		LED, red

### Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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### Mechanical specifications

Connection type	cable PUR, 2 m
Core cross-section	0.25 mm <sup>2</sup>
Housing material	PBT
Sensing face	PBT
Degree of protection	IP67

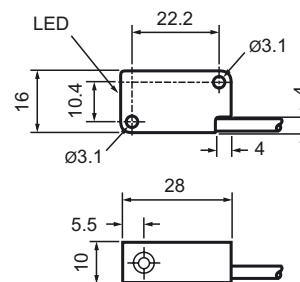
### Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

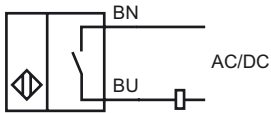
### Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose

## Dimensions



Electrical Connection



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