



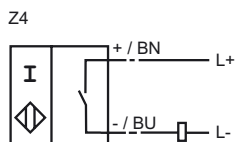
### Model Number

NBB3-V3-Z4

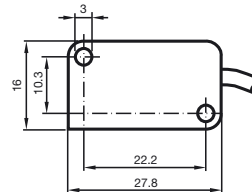
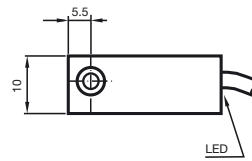
### Features

- Basic series
- 3 mm embeddable

### Connection



### Dimensions



### Technical Data

#### General specifications

Switching element function	DC	Make function
Rated operating distance	$s_n$	3 mm (approx. 3.5 mm at 85 °C)
Installation	embeddable	
Output polarity	DC	
Assured operating distance	$s_a$	0 ... 2.4 mm
Reduction factor $r_{Al}$	0.4	
Reduction factor $r_{Cu}$	0.3	
Reduction factor $r_{V2A}$	0.8	

#### Nominal ratings

Operating voltage	$U_B$	5 ... 60 V
Switching frequency	$f$	0 ... 2000 Hz
Hysteresis	$H$	typ. 0.2 mm
Reverse polarity protection	protected against reverse polarity	
Short-circuit protection	no	
Voltage drop	$U_d$	$\leq 5$ V
Operating current	$I_L$	4 ... 100 mA
Off-state current	$I_r$	0 ... 1 mA typ. 0.7 mA
Indication of the switching state	LED, yellow	

#### Limit data

Tightening torque, fixing screws	0.4 Nm
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#### Standard conformity

Standards	IEC / EN 60947-5-2:2004
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#### Ambient conditions

Ambient temperature	-25 ... 85 °C (248 ... 358 K)
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#### Mechanical specifications

Connection type	130 mm, PVC cable
Core cross-section	0.14 mm <sup>2</sup>
Housing material	PBT
Sensing face	PBT
Protection degree	IP67