



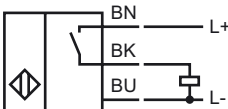
### Model Number

NBB6-18GK10-E2

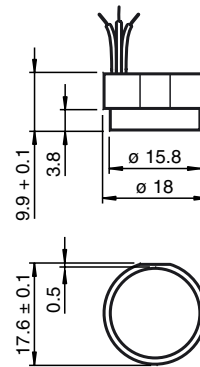
### Features

- Embeddable mounting

### Connection



### Dimensions



### Technical Data

#### General specifications

Switching element function		PNP	NO
Rated operating distance	$s_n$	6 mm	
Installation		embeddable	
Output polarity		DC	
Assured operating distance	$s_a$	0 ... 4.86 mm	
Reduction factor $r_{AI}$		0.2	
Reduction factor $r_{Cu}$		0.15	
Reduction factor $r_{V2A}$		0.62	

#### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V	
Switching frequency	$f$	0 ... 500 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	$I_0$	$\leq 20$ mA	

#### Ambient conditions

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

Connection type	flexible leads PVC, 2 m
Core cross-section	0.22 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 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.