



CE

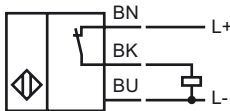
### Model Number

NBB5-18K12-E3

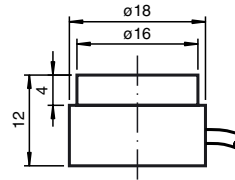
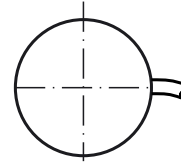
### Features

- Basic series
- 5 mm embeddable

### Connection



### Dimensions



### Technical Data

#### General specifications

Switching element function	PNP	Break function
Rated operating distance	$s_n$	5 mm
Installation		embeddable
Output polarity		DC
Assured operating distance	$s_a$	0 ... 4.05 mm
Reduction factor $r_{A1}$		0.4
Reduction factor $r_{Cu}$		0.3
Reduction factor $r_{V2A}$		0.7
Reduction factor $r_{Si37}$		1

#### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 1000 Hz
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 100 mA
Off-state current	$I_r$	0 ... 0.5 mA typ. 0.1 $\mu$ A at 25 °C
No-load supply current	$I_0$	$\leq 13$ mA

#### Standard conformity

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

Ambient temperature	-25 ... 70 °C (248 ... 343 K)
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#### Mechanical specifications

Connection type	2 m, PVC cable
Core cross-section	0.14 mm <sup>2</sup>
Housing material	PA 6.6
Sensing face	PA 6.6
Protection degree	IP67