



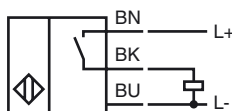
### Model Number

NBB5-18GK50-E2

### Features

- With increased sealing, protection class IP68 / IP69k

### Connection

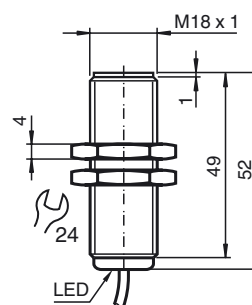


### Accessories

#### BF 18

Mounting flange, 18 mm

### Dimensions



### Technical Data

#### General specifications

Switching element function	PNP	NO
Rated operating distance	$s_n$	5 mm
Installation	embeddable	
Output polarity	DC	
Assured operating distance	$s_a$	0 ... 4.05 mm
Reduction factor $r_{AI}$	0.3	
Reduction factor $r_{Cu}$	0.25	
Reduction factor $r_{304}$	0.7	
Reduction factor $r_{S137}$	1	

#### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 1000 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	$I_0$	$\leq 15$ mA
Indication of the switching state	LED, yellow	

#### Ambient conditions

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

Connection type	cable PVC, 2 m
Core cross-section	0.34 mm <sup>2</sup>
Housing material	PBT
Sensing face	PBT
Protection degree	IP68 / IP69K
Note	use only delivered nuts

#### 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.