



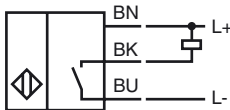
### Model Number

NBB1,5-F79-E0

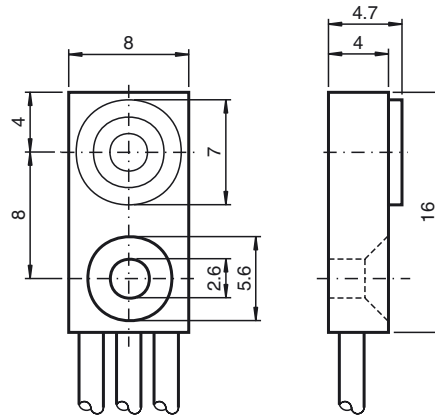
### Features

- Basic series
- 1.5 mm embeddable
- 3-wire DC

### Connection



### Dimensions



### Technical Data

#### General specifications

Switching element function		NPN	NO
Rated operating distance	$s_n$	1.5 mm	
Installation		embeddable	
Output polarity		DC	
Assured operating distance	$s_a$	0 ... 1.215 mm	
Reduction factor $r_{Al}$		0.3	
Reduction factor $r_{Cu}$		0.2	
Reduction factor $r_{304}$		0.7	

#### Nominal ratings

Operating voltage	$U_B$	5 ... 30 V DC	
Switching frequency	$f$	0 ... 1200 Hz	
Hysteresis	$H$	typ. 5 %	
Short-circuit protection		pulsing	
Voltage drop	$U_d$	$\leq 1.5$ V	
Operating current	$I_L$	0 ... 100 mA	
Off-state current	$I_r$	$\leq 10$ $\mu$ A	
No-load supply current	$I_0$	$\leq 15$ mA	

#### Functional safety related parameters

MTTF <sub>d</sub>	4830 a
Mission Time ( $T_M$ )	20 a
Diagnostic Coverage (DC)	0 %

#### Ambient conditions

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

Connection type	flexible leads PVC , 500 mm
Core cross-section	0.08 mm <sup>2</sup>
Housing material	PA
Sensing face	PA
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.