



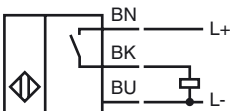
## Model Number

SB3,5-E2-BU

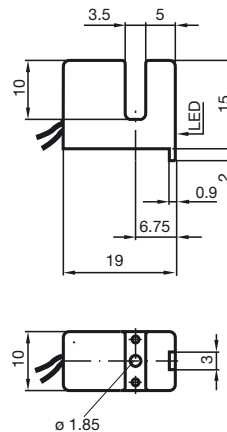
## Features

- 3.5 mm slot width
- Basic series

## Connection



## Dimensions



## Technical Data

### General specifications

Switching element function	PNP	NO
Slot width	3.5 mm	
Depth of immersion (lateral)	5 ... 7 typ. 6 mm	
Installation		
Output polarity	DC	

### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 3000 Hz
Hysteresis	$H$	0.21 ... 0.4 mm
Reverse polarity protected	reverse polarity protected	
Short-circuit protection	pulsing	
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 100 mA
No-load supply current	$I_0$	$\leq 7$ mA
Indication of the switching state	LED, yellow	

### Functional safety related parameters

MTTF <sub>d</sub>	2590 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 LIY, 500 mm
Core cross-section	0.14 mm <sup>2</sup>
Housing material	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.