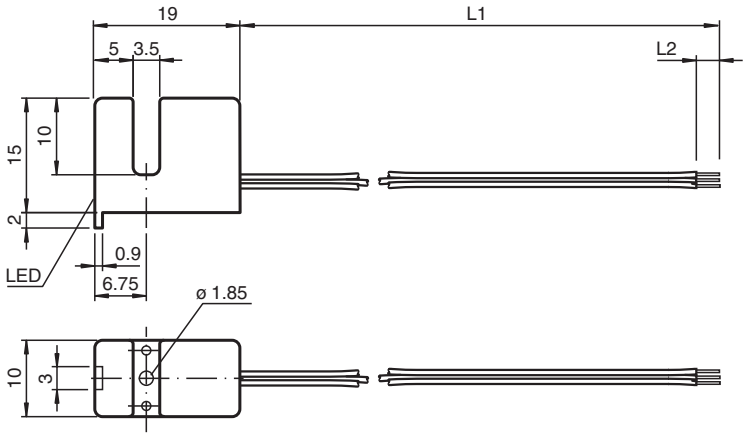



# Inductive slot sensor

## SB3,5-E2-BU-Y324726

- 3.5 mm slot width
- Basic series

## Dimensions




## Technical Data

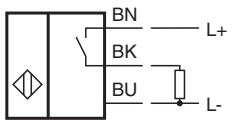
| | | |
|---|---|---|
| **General specifications** | | |
| Switching function | | Normally open (NO) |
| Output type | | PNP |
| Slot width | | 3.5 mm |
| Depth of immersion (lateral) | | 5 ... 7 typ. 6 mm |
| Output polarity | | DC |
| Output type | | 3-wire |
| **Nominal ratings** | | |
| Operating voltage | $U_B$ | 10 ... 30 V |
| Switching frequency | f | 0 ... 3000 Hz |
| Hysteresis | H | 0.1 ... 0.4 mm |
| Reverse polarity protection | | reverse polarity protected |
| Short-circuit protection | | pulsing |
| Voltage drop | $U_d$ | ≤ 3 V |
| Operating current | $I_L$ | 0 ... 100 mA |
| No-load supply current | $I_0$ | ≤ 7 mA |
| Switching state indicator | | LED, yellow |
| **Safety-relevant product characteristics** | | |

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## Technical Data

| | | |
|---|---|---|
| $MTTF_d$ | | 2590 a |
| Mission Time ($T_M$) | | 20 a |
| Diagnostic Coverage (DC) | | 0 % |
| **Compliance with standards and directives** | | |
| Standard conformity | | |
| Standards | | EN IEC 60947-5-2 |
| **Approvals and certificates** | | |
| UL approval | | cURus Recognized<br>Load Type: General Purpose<br>Circuitry: Class 2 Power Source<br>Supply/Switching Voltage: 30 V DC<br>Output Switching Current: 100 mA<br>Further UL information see section "Additional Information" |
| CCC approval | | CCC approval / marking not required for products rated ≤36 V |
| **Ambient conditions** | | |
| Ambient temperature | | -25 ... 70 °C (-13 ... 158 °F) |
| **Mechanical specifications** | | |
| Connection type | | flexible leads LiY , L1 = 300 mm , L2 = 10 mm |
| Core cross section | | 0.14 mm² |
| Housing material | | PBT |
| Degree of protection | | IP67 |
| Dimensions | | |
| Height | | 15 mm |
| Width | | 10 mm |
| Length | | 19.5 mm |

## Connection Assignment




## Additional Information

**Additional UL Information**
**Conditions of Acceptability:**
Strain relief test shall be determined in the end-use application.
Suitability of the mounting means shall be determined in the end use application. The suitability of connection between supply connection and the end connector shall be determined in the end-use application.
The supply connections for these devices are intended for factory wiring only.
These devices shall be used within their recognized electrical ratings.
These proximity switches are intended to be powered by Listed Class 2 power supply or are located in a limited voltage / limited current circuit.

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