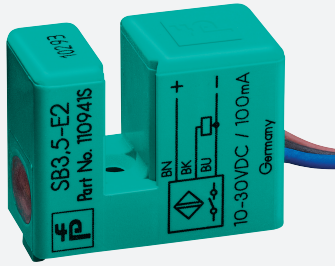


Inductive slot sensor

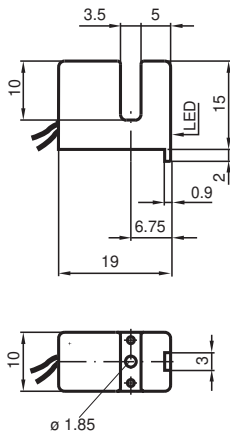
SB3,5-E2-BU



- 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 |

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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PF PEPPERL+FUCHS

Technical Data

| | | |
|---|-------|--|
| Operating current | I_L | 0 ... 100 mA |
| No-load supply current | I_0 | ≤ 7 mA |
| Switching state indicator | | LED, yellow |
| Functional safety related parameters | | |
| MTTF _d | | 2590 a |
| Mission Time (T _M) | | 20 a |
| Diagnostic Coverage (DC) | | 0 % |
| 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 | | 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 , 500 mm |
| Core cross section | | 0.14 mm ² |
| Housing material | | PBT |
| Degree of protection | | IP67 |

Connection

