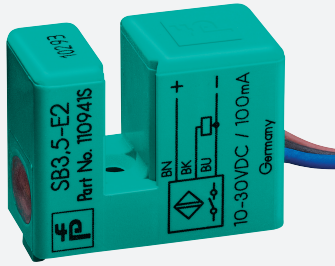


Inductive slot sensor

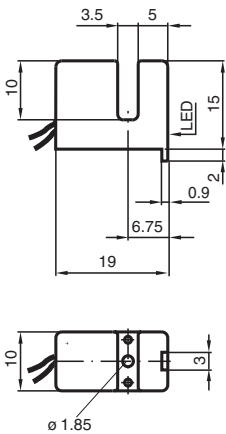
SB3,5-E2



- 3.5 mm slot width
- 3-wire DC



Dimensions



Technical Data

| General specifications | | |
|------------------------------|-------|----------------------------|
| Switching function | | Normally open (NO) |
| Output type | | PNP |
| Slot width | | 3.5 mm |
| Depth of immersion (lateral) | | 5 ... 7 mm |
| Output polarity | | DC |
| Output type | | 3-wire |
| Nominal ratings | | |
| Operating voltage | U_B | 10 ... 30 V DC |
| Switching frequency | f | 0 ... 3000 Hz |
| Hysteresis | H | 0 ... 0.6 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 |

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

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PEPPERL+FUCHS

Technical Data

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 |
| 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

