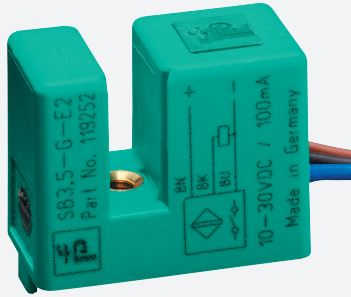


Inductive slot sensor

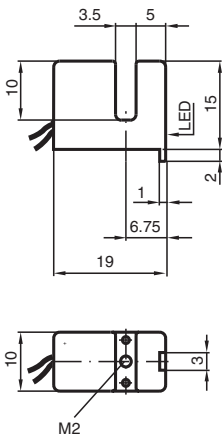
SB3,5-G-E2



- 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 ... 2000 Hz |
| 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 | ≤ 15 mA |
| Switching state indicator | | LED, yellow |
| Functional safety related parameters | | |

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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 | 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 PVC , 135 mm |
| Core cross section | 0.14 mm ² |
| Housing material | PBT |
| Degree of protection | IP67 |
| Dimensions | |
| Height | 15 mm |
| Width | 10 mm |
| Length | 19.5 mm |

Connection

