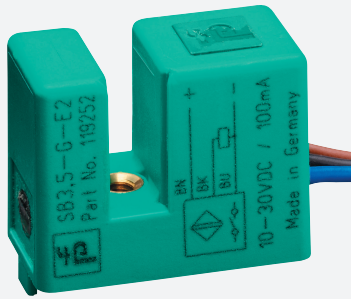


# Inductive slot sensor

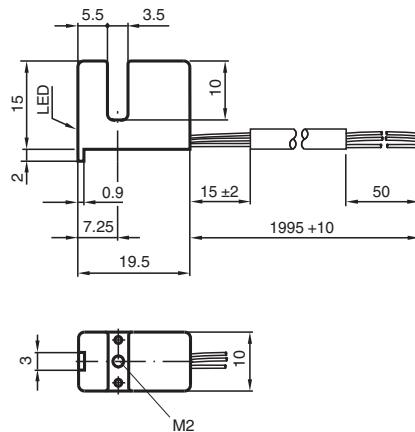
## SB3,5-G-E2-2M



- 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 ... 2000 Hz |
| Reverse polarity protection | 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      | $I_0$                      | $\leq 15$ mA  |
| Switching state indicator   | LED, yellow                |               |

#### Functional safety related parameters

|                   |        |  |
|-------------------|--------|--|
| MTTF <sub>d</sub> | 2590 a |  |
|-------------------|--------|--|

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

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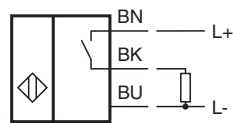
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 **PEPPERL+FUCHS**

Technical Data

|                                          |                                                              |
|------------------------------------------|--------------------------------------------------------------|
| Mission Time (T <sub>M</sub> )           | 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                          | cable PVC , 2 m                                              |
| 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



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