

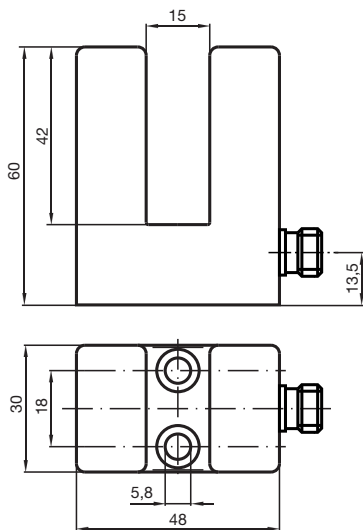
Inductive slot sensor

SJ15-E2-V1-Y40122

- Comfort series
- 2. actual frequency



Dimensions



Technical Data

General specifications

| | |
|------------------------------|--------------------|
| Switching function | Normally open (NO) |
| Output type | PNP |
| Slot width | 15 mm |
| Depth of immersion (lateral) | 17 ... 20 mm |
| Installation | non-flush |
| Output polarity | DC |
| Output type | 3-wire |

Nominal ratings

| | | |
|-----------------------------|-------|----------------------------|
| Operating voltage | U_B | 10 ... 30 V |
| Switching frequency | f | 0 ... 500 Hz |
| Reverse polarity protection | | reverse polarity protected |
| Short-circuit protection | | pulsing |
| Voltage drop | U_d | ≤ 3 V |
| Operating current | I_L | 0 ... 200 mA |
| No-load supply current | I_0 | ≤ 20 mA |

Functional safety related parameters

| | |
|--------------------------------|--------|
| MTTF _d | 1500 a |
| Mission Time (T _M) | 20 a |
| Diagnostic Coverage (DC) | 0 % |

Release date: 2022-06-21 Date of issue: 2022-06-21 Filename: 040122_eng.pdf

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

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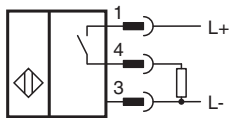
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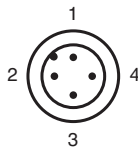
Technical Data

| 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 | Connector plug M12 x 1 , 4-pin |
| Housing material | PBT |
| Degree of protection | IP67 |

Connection



Connection Assignment



Wire colors in accordance with EN 60947-5-2

| | | |
|---|----|---------|
| 1 | BN | (brown) |
| 2 | WH | (white) |
| 3 | BU | (blue) |
| 4 | BK | (black) |