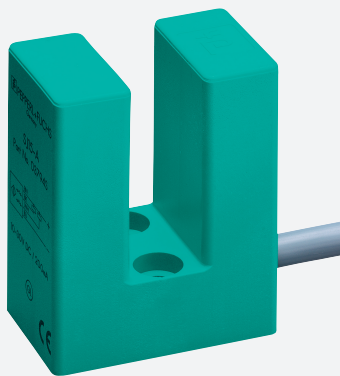




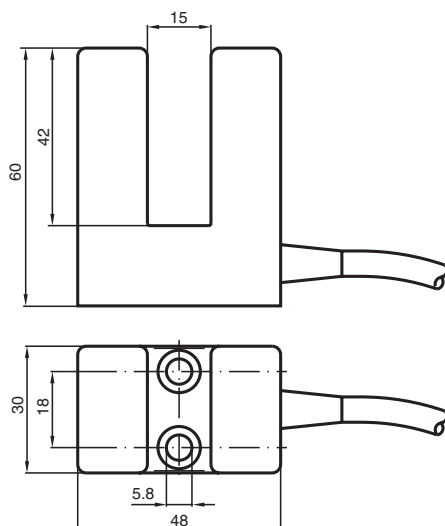
## Inductive slot sensor

**SJ15-E2-4M**

- 15 mm slot width
- 3-wire DC



### Dimensions



### Technical Data

#### General specifications

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

#### Nominal ratings

|                             |       |                            |
|-----------------------------|-------|----------------------------|
| Operating voltage           | $U_B$ | 10 ... 30 V DC             |
| Switching frequency         | $f$   | 0 ... 500 Hz               |
| Hysteresis                  | $H$   | typ. 5%                    |
| Reverse polarity protection |       | reverse polarity protected |
| Short-circuit protection    |       | pulsing                    |
| Voltage drop                | $U_d$ | $\leq 3$ V                 |
| Operating current           | $I_L$ | 0 ... 200 mA               |
| No-load supply current      | $I_0$ | $\leq 20$ mA               |

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

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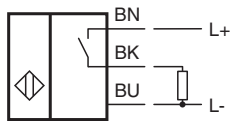
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**PEPPERL+FUCHS**

Technical Data

|                                          |   |                                                              |
|------------------------------------------|---|--------------------------------------------------------------|
| Functional safety related parameters     |   |                                                              |
| MTTF <sub>d</sub>                        |   | 1500 a                                                       |
| 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                                                        |
| Housing material                         |   | PBT                                                          |
| Degree of protection                     |   | IP67                                                         |
| Cable                                    |   |                                                              |
| Wire end ferrules                        |   | yes                                                          |
| Cable diameter                           |   | 6.4 mm ± 0.2 mm                                              |
| Bending radius                           |   | > 10 x cable diameter                                        |
| Material                                 |   | PVC                                                          |
| Color                                    |   | Gray                                                         |
| Number of cores                          |   | 3                                                            |
| Core cross section                       |   | 0.75 mm <sup>2</sup>                                         |
| Length                                   | L | 4 m                                                          |
| Mass                                     |   | 346 g                                                        |
| Dimensions                               |   |                                                              |
| Height                                   |   | 60 mm                                                        |
| Width                                    |   | 30 mm                                                        |
| Length                                   |   | 48 mm                                                        |

Connection



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