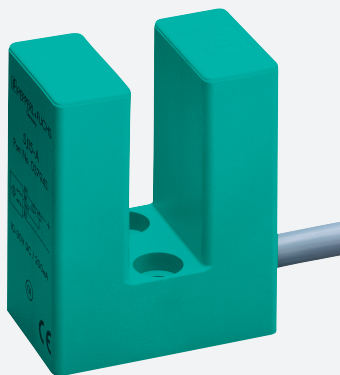




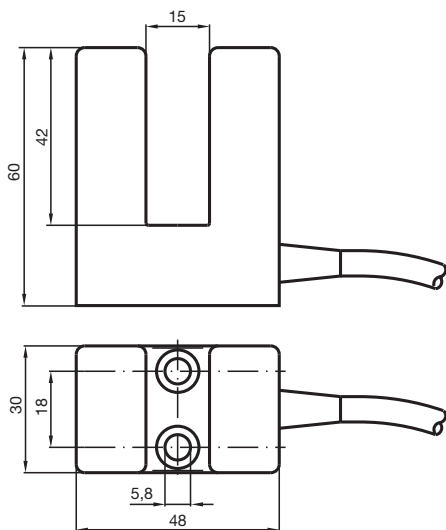
# Inductive slot sensor

## SJ15-E

- 15 mm slot width
- 3-wire DC



### Dimensions



### Technical Data

| General specifications       |                |                            |
|------------------------------|----------------|----------------------------|
| Switching function           |                | Normally open (NO)         |
| Output type                  |                | NPN                        |
| Slot width                   |                | 15 mm                      |
| Depth of immersion (lateral) |                | 17 ... 20 mm               |
| Output polarity              |                | DC                         |
| Nominal ratings              |                |                            |
| Operating voltage            | U <sub>B</sub> | 10 ... 30 V DC             |
| Switching frequency          | f              | 0 ... 500 Hz               |
| Reverse polarity protection  |                | reverse polarity protected |
| Short-circuit protection     |                | pulsing                    |
| Voltage drop                 | U <sub>d</sub> | ≤ 3 V                      |
| Operating current            | I <sub>L</sub> | 0 ... 200 mA               |

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

## Technical Data

|                                                 |       |                                                                                  |
|-------------------------------------------------|-------|----------------------------------------------------------------------------------|
| No-load supply current                          | $I_0$ | $\leq 20 \text{ mA}$                                                             |
| <b>Compliance with standards and directives</b> |       |                                                                                  |
| Standard conformity                             |       |                                                                                  |
| Standards                                       |       | EN 60947-5-2:2007<br>IEC 60947-5-2:2007                                          |
| <b>Approvals and certificates</b>               |       |                                                                                  |
| UL approval                                     |       | cULus Listed, General Purpose                                                    |
| CSA approval                                    |       | cCSAus Listed, General Purpose                                                   |
| CCC approval                                    |       | CCC approval / marking not required for products rated $\leq 36 \text{ V}$       |
| <b>Ambient conditions</b>                       |       |                                                                                  |
| Ambient temperature                             |       | $-25 \dots 70 \text{ }^\circ\text{C}$ ( $-13 \dots 158 \text{ }^\circ\text{F}$ ) |
| <b>Mechanical specifications</b>                |       |                                                                                  |
| Connection type                                 |       | cablc PVC , 2 m                                                                  |
| Core cross-section                              |       | $0.75 \text{ mm}^2$                                                              |
| Housing material                                |       | PBT                                                                              |
| Degree of protection                            |       | IP67                                                                             |

## Connection

