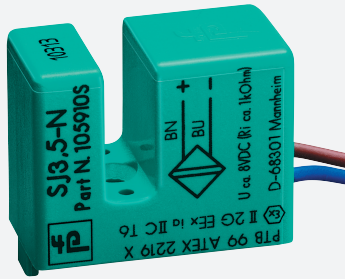


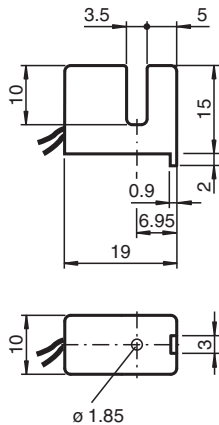
# Inductive slot sensor

## SJ3,5-H-Y17012

■ Comfort series



### Dimensions



### Technical Data

#### General specifications

|                              |                      |
|------------------------------|----------------------|
| Switching function           | Normally closed (NC) |
| Output type                  | NAMUR                |
| Slot width                   | 3.5 mm               |
| Depth of immersion (lateral) | 5 ... 7 typ. 6 mm    |
| Output type                  | 2-wire               |

#### Nominal ratings

|                              |       |                                      |
|------------------------------|-------|--------------------------------------|
| Nominal voltage              | $U_o$ | 8.2 V ( $R_i$ approx. 1 k $\Omega$ ) |
| Operating voltage            | $U_B$ | 5 ... 25 V                           |
| Switching frequency          | $f$   | 0 ... 3000 Hz                        |
| Hysteresis                   | $H$   | 0.8 ... 1.1 mm                       |
| Current consumption          |       |                                      |
| Measuring plate not detected |       | $\geq 3$ mA at nominal voltage       |
| Measuring plate detected     |       | $\leq 1$ mA at nominal voltage       |

#### Compliance with standards and directives

|                     |  |                   |
|---------------------|--|-------------------|
| Standard conformity |  |                   |
| NAMUR               |  | EN 60947-5-6:2000 |
| Standards           |  | EN IEC 60947-5-2  |

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

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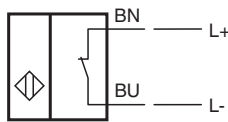
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PEPPERL+FUCHS

Technical Data

|                               |   |                                |
|-------------------------------|---|--------------------------------|
| Approvals and certificates    |   |                                |
| IECEX approval                |   |                                |
| Equipment protection level Gb |   | IECEX PTB 11.0091X             |
| Equipment protection level Da |   | IECEX PTB 11.0091X             |
| Equipment protection level Mb |   | IECEX PTB 11.0091X             |
| ATEX approval                 |   |                                |
| Equipment protection level Gb |   | PTB 99 ATEX 2219 X             |
| Equipment protection level Da |   | PTB 99 ATEX 2219 X             |
| UL approval                   |   | cULus Listed, General Purpose  |
| Ambient conditions            |   |                                |
| Ambient temperature           |   | -25 ... 70 °C (-13 ... 158 °F) |
| Mechanical specifications     |   |                                |
| Connection type               |   | flexible leads                 |
| Housing material              |   | PBT                            |
| Degree of protection          |   | IP67                           |
| Cable                         |   |                                |
| Material                      |   | PTFE                           |
| Core cross section            |   | 0.14 mm²                       |
| Length                        | L | 500 mm                         |
| Dimensions                    |   |                                |
| Height                        |   | 15 mm                          |
| Width                         |   | 10 mm                          |
| Length                        |   | 19.5 mm                        |
| General information           |   |                                |
| Use in the hazardous area     |   | see instruction manuals        |

Connection



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