

## Technical Data

*For detailed data and product description refer to the data sheets at **www.pepperl-fuchs.com***

| General Data | |
|---|---|
| Switching element function | NAMUR, NC |
| Nominal voltage | 8.2 V ($R_i$ approx. 1 kΩ) |
| Operating voltage | 5 ... 25 V |
| Current consumption | |
| Measuring plate not detected | ≥ 3 mA |
| Measuring plate detected | ≤ 1 mA |
| Protection degree | IP67 |
| Connection type | cable PVC , 2 m |



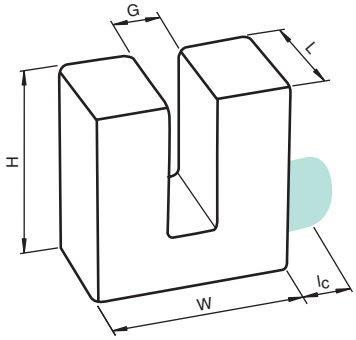
| Model Number | | SJ10-N | SJ15-N | SJ30-N |
|---|---|---|---|---|
| Slot width | 10 mm | ● | | |
| | 15 mm | | ● | |
| | 30 mm | | | ● |
| Depth of immersion (lateral) | 13.5 ... 16.5 mm , typ. 15 mm | ● | | |
| | 16 ... 19 mm , typ. 17.5 mm | | ● | |
| | 27 ... 30 mm | | | ● |
| Switching frequency | 0 ... 1000 Hz | ● | ● | |
| | 0 ... 150 Hz | | | ● |
| Ambient temperature | -25 ... 100 °C (-13 ... 212 °F) | ● | | |
| | -25 ... 70 °C (-13 ... 158 °F) | | ● | ● |
| Housing material | ABS | | | ● |
| | PBT | ● | ● | |
| **Use in the Hazardous Area** | | | | |
| Use in the hazardous area | see instruction manuals | ● | ● | ● |
| Category | 1G; 2G; 1D | ● | ● | ● |
| **Approvals and Certificates** | | | | |
| Control drawing | 116-0165F | ● | ● | ● |
| UL approval | cULus Listed, General Purpose | ● | ● | ● |
| CSA approval | cCSAus Listed, General Purpose | ● | ● | ● |
| CCC approval | Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval. | | | |
| **Dimensions** | | | | |
| Length L [mm] | | 25 | 30 | 51 |
| Width W [mm] | | 44 | 48 | 84 |
| Height H [mm] | | 45 | 60 | 110 |
| Slot width G [mm] | | 10 | 15 | 30 |
| Connector area $l_c$ [mm] | | 6 ( PG9 ) | 0 | 35 ( PG13.5 ) |

## Properties

- **10, 15 and 30 mm slot width versions**
- **Fast response**
- **DC, 2-wire NAMUR**
- **Cable version**

## Your Benefit

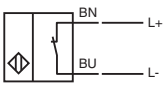
- **Usable up to SIL 2 acc. to IEC 61508**
- **ATEX approval up to zone 0 / zone 20**




## Electrical Connection



SJ10-N
SJ15-N
SJ30-N




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Consider the General Notes on the Information in the Pepperl+Fuchs Product Catalogs
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