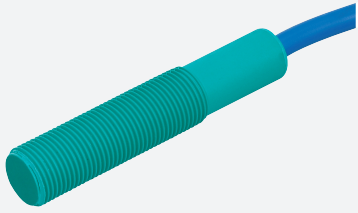


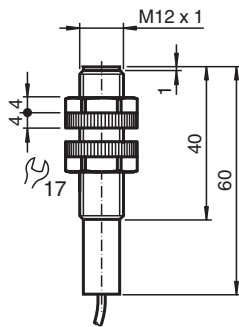
# Capacitive sensor CJ1-12GK-N-5M



■ Comfort series



## Dimensions



## Technical Data

### General specifications

|                            |       |                    |
|----------------------------|-------|--------------------|
| Switching function         |       | Normally open (NO) |
| Output type                |       | NAMUR              |
| Rated operating distance   | $s_n$ | 1 mm               |
| Installation               |       | non-flush          |
| Assured operating distance | $s_a$ | 0 ... 0.72 mm      |
| Output type                |       | 2-wire             |

### Nominal ratings

|                         |       |            |
|-------------------------|-------|------------|
| Installation conditions |       |            |
| A                       |       | 5 mm       |
| B                       |       | 15 mm      |
| C                       |       | 12 mm      |
| F                       |       | 70 mm      |
| Nominal voltage         | $U_o$ | 8 V        |
| Operating voltage       | $U_B$ | 7 ... 12 V |
| Switching frequency     | $f$   | 0 ... 1 Hz |
| Current consumption     |       |            |

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

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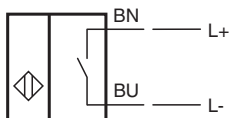
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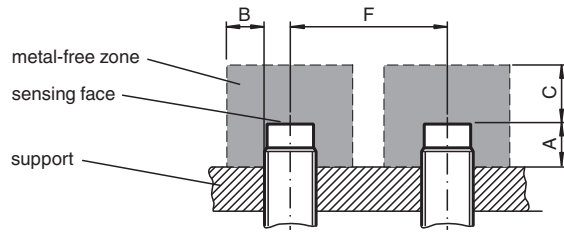
## Technical Data

|   |   |
|---|---|
| Measuring plate not detected                    | max. 1 mA   |
| Measuring plate detected                        | ≥ 2.4 mA  |
| <b>Compliance with standards and directives</b> |   |
| Standard conformity                             |   |
| NAMUR   | EN 60947-5-6:2000<br>IEC 60947-5-6:1999   |
| Standards                                       | EN 60947-5-2:2007<br>EN 60947-5-2/A1:2012<br>IEC 60947-5-2:2007<br>IEC 60947-5-2 AMD 1:2012 |
| <b>Approvals and certificates</b>               |   |
| IECEX approval                                  |   |
| Equipment protection level Ga                   | IECEX TUN 20.0014X  |
| Equipment protection level Gb                   | IECEX TUN 20.0014X  |
| Equipment protection level Da                   | IECEX TUN 20.0014X  |
| ATEX approval                                   |   |
| Equipment protection level Ga                   | TÜV 03 ATEX 2003 X  |
| Equipment protection level Gb                   | TÜV 03 ATEX 2003 X  |
| Equipment protection level Da                   | TÜV 03 ATEX 2003 X  |
| FM approval                                     |   |
| Control drawing                                 | 116-0165  |
| UL approval                                     | cULus Listed, General Purpose   |
| <b>Ambient conditions</b>                       |   |
| Ambient temperature                             | -25 ... 70 °C (-13 ... 158 °F)  |
| <b>Mechanical specifications</b>                |   |
| Connection type                                 | cable   |
| Housing material                                | PBT   |
| Sensing face                                    | PBT   |
| Degree of protection                            | IP68  |
| Cable   |   |
| Cable diameter                                  | 4.8 mm ± 0.2 mm   |
| Bending radius                                  | > 10 x cable diameter   |
| Material  | PVC   |
| Core cross section                              | 0.34 mm <sup>2</sup>  |
| Length  | L 5 m   |
| <b>General information</b>                      |   |
| Use in the hazardous area                       | see instruction manuals   |

## Connection



## Installation



## Accessories

|   |                     |                               |
|---|---------------------|-------------------------------|
|  | <p><b>BF 12</b></p> | <p>Mounting flange, 12 mm</p> |
|---|---------------------|-------------------------------|