

Push button Ø  
19 mm silver contact

Distribution by  
DigiKey

**DigiKey**

82-5152.1000.B001



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Your product:

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## 82-5152.1000.B001 Push button Ø 19 mm silver contact

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### FRONT

|                              |                 |
|------------------------------|-----------------|
| <b>Front dimension:</b>      | Ø 22 mm         |
| <b>Front form:</b>           | Round           |
| <b>Front bezel material:</b> | Stainless steel |
| <b>Front bezel shape:</b>    | Flush           |

### MOUNTING

|                          |                |
|--------------------------|----------------|
| <b>Mounting cut-out:</b> | Ø 19 mm        |
| <b>Mounting type:</b>    | Panel mounting |

### OPERATING-/INDICATION PART

|                           |                 |
|---------------------------|-----------------|
| <b>Lens colour:</b>       | Silver          |
| <b>Lens material:</b>     | Stainless steel |
| <b>Lens illumination:</b> | Non illuminated |
| <b>Lens shape:</b>        | Flush           |
| <b>Lens optics:</b>       | opaque          |
| <b>Symbol:</b>            | ON/OFF          |

### ELECTRICAL CHARACTERISTICS

**Switching voltage and switching current:**

|  |                     |
|--|---------------------|
| according to IEC 60947-5-1 (Silver contacts)               |                     |
| Service categorie AC-15                                    |                     |
| Voltage  | Current             |
| 24 VAC   | 1 A                 |
| 35 VAC   | 1 A (M12 version)   |
| 110 VAC  | 1 A                 |
| 220 VAC  | 0.5 A               |
| Switch rating DC service categorie DC-13 (Silver contacts) |                     |
| Voltage  | Current             |
| 24 VDC   | 0.7 A               |
| 35 VDC   | 0.5 A (M12 version) |
| 110 VDC  | 0.2 A               |
| 220 VDC  | 0.1 A               |

|                                       |         |
|---------------------------------------|---------|
| according to UL 508 (Silver contacts) |         |
| cosφ 0,75 ... 0,8                     |         |
| Voltage                               | Current |
| 120 VAC                               | 5 A     |
| 240 VAC                               | 3 A     |
| 24 VAC                                | 1 A     |

|  |  |
|--|--|
| <b>Rated Operational Voltage Ue:</b>       | 250 VAC  |
| <b>Rated insulation voltage Ui:</b>        | 250 V  |
| <b>Short circuit protective device:</b>    | fuse / 500 V / 5 A / gG                                    |
| <b>Rated short-circuit current caused:</b> | AC: 1 kA<br>DC: 1 kA                                       |
| <b>Switching rating:</b>                   | 240 V  |
| <b>Electrical lifetime:</b>                | 50 000 cycles of operation                                 |
| <b>Electric strength:</b>                  | 1500 VAC, 50 Hz 1 minute between life terminals and ground |
| <b>Pollution degree:</b>                   | 2, according to EN IEC 60947-1                             |
| <b>Thermal current Ith:</b>                | 5 A  |

## MECHANICAL CHARACTERISTICS

|                             |                                       |
|-----------------------------|---------------------------------------|
| <b>Terminal:</b>            | Screw terminal                        |
| <b>Contact material:</b>    | Silver                                |
| <b>Switching action:</b>    | Momentary                             |
| <b>Switching system:</b>    | Snap-action switching element         |
| <b>Mechanical lifetime:</b> | 1 Mil. cycles of operation            |
| <b>Operating force:</b>     | 4 N ... 7 N                           |
| <b>Operating Travel:</b>    | ca. 3 mm                              |
| <b>Tightening torque:</b>   | 0.5 ... 0.6 Nm, Screw terminal 0.1 Nm |
| <b>Weight:</b>              | 0.018 kg                              |

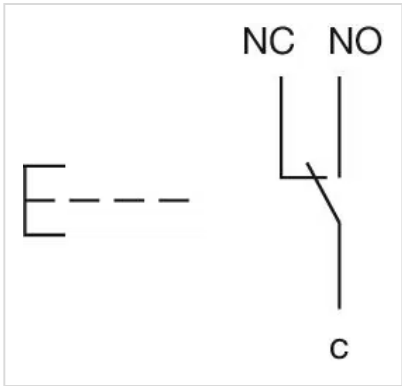
## AMBIENT CONDITION

|                               |  |
|-------------------------------|--|
| <b>IP front protection:</b>   | IP65, IP67   |
| <b>Operating temperature:</b> | - 30 °C ... + 70 °C  |
| <b>Storage temperature:</b>   | - 40 °C ... + 80 °C  |
| <b>Shock resistance:</b>      | Max. 500 m / s <sup>2</sup> as per IEC 60068-2-27              |
| <b>Vibration resistance:</b>  | 10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6 |
| <b>Climate resistance:</b>    | Damp heat, 21 days according to IEC 60512-11                   |

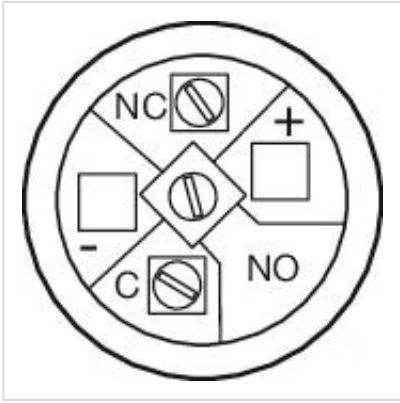
## CERTIFICATE

|                      |   |
|----------------------|---|
| <b>Approbations:</b> | CB, CCC, C UL, UL                               |
| <b>Conformities:</b> | CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD) |
| <b>REACH:</b>        | REACH compliant                                 |
| <b>RoHS:</b>         | RoHS compliant                                  |

## OTHER

|                           |  |
|---------------------------|--|
| <b>Short Description:</b> | Push button Ø 19 mm silver contact, Momentary, 240 V, Screw terminal, Round, Stainless steel, ON/OFF, Silver |
| <b>Housing size:</b>      | 19 mm  |
| <b>Wiring diagrams:</b>   |                          |

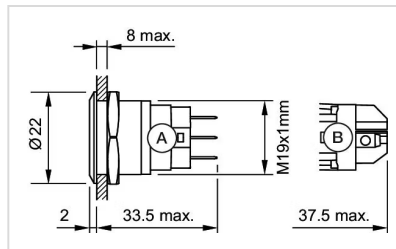
**Component layouts:**



**Mounting cut-outs:**



**Dimension drawings:**



A = Solder terminal  
B = Screw terminal