

Illuminated push button Ø  
16 mm silver contact

Distribution by  
Mouser



82-4151.21A4



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## 82-4151.21A4

Illuminated push button Ø  
16 mm silver contact

### FRONT

|                              |                 |
|------------------------------|-----------------|
| <b>Front dimension:</b>      | Ø 18 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 16 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>     | Illuminated     |
| <b>Lens shape:</b>            | Flush           |
| <b>Lens optics:</b>           | opaque          |
| <b>Illumination colour:</b>   | Red / Green     |
| <b>Shape of illumination:</b> | Ring            |

### ELECTRICAL CHARACTERISTICS

**Switching voltage and switching current:**

according to IEC 60947-5-1 (Silver contacts)

Service categorie AC-15

Voltage

24 VAC

35 VAC

110 VAC

220 VAC

Switch rating DC service categorie DC-13 (Silver contacts)

Voltage

24 VDC

35 VDC

110 VDC

220 VDC

Current

1 A

1 A (M12 version)

1 A

0.5 A

Current

0.7 A

0.5 A (M12 version)

0.2 A

0.1 A

according to UL 508 (Silver contacts)

$\cos\phi$  0,75 ... 0,8

Voltage

120 VAC

240 VAC

24 VAC

Current

5 A

3 A

1 A

|                                      |  |
|--------------------------------------|--|
| <b>Contacts:</b>                     | 1 C  |
| <b>Operating voltage:</b>            | 24 V AC/DC   |
| <b>Operation current:</b>            | 7 mA   |
| <b>Rated Operational Voltage Ue:</b> | 250 VAC  |
| <b>Rated insulation voltage Ui:</b>  | 250 V  |
| <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>            | Soldering terminal, 2.8 x 0.5 mm |
| <b>Contact material:</b>    | Silver                           |
| <b>Switching action:</b>    | Maintained                       |
| <b>Switching system:</b>    | Snap-action switching element    |
| <b>Mechanical lifetime:</b> | 500 000 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                   |
| <b>Weight:</b>              | 0.018 kg                         |

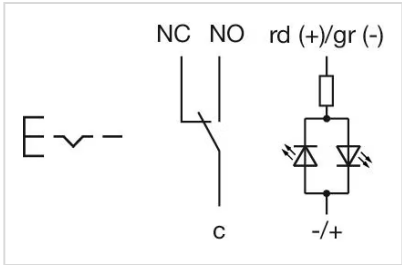
## AMBIENT CONDITION

|                               |  |
|-------------------------------|--|
| <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>    | Illuminated push button Ø 16 mm silver contact, Maintained, 240 V, 24 V AC/DC, 1 C, Soldering terminal, 2.8 x 0.5 mm, Round, Stainless steel, Red / Green, Silver |
| <b>Kind of illumination:</b> | Bi-colour-LED   |
| <b>Housing size:</b>         | 16 mm   |
| <b>Wiring diagrams:</b>      |   |

**Component layouts:**



**Mounting cut-outs:**



**Dimension drawings:**



A = Solder terminal  
 B = Screw terminal