

# Pushbutton Ø 19 mm silver contact

82-5171.1000

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DigiKey

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Your product:

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82-5171.1000

Pushbutton Ø 19 mm silver contact

#### FRONT

Front dimension:	Ø 22 mm
Front form:	Round
Front bezel material:	Stainless steel
Front bezel shape:	Flush

#### MOUNTING

Mounting cut-out:	Ø 19 mm
Mounting type:	Panel mounting

#### OPERATING-/INDICATION PART

Lens colour:	Silver
Lens material:	Stainless steel
Lens illumination:	Non illuminated
Lens shape:	Convex
Lens optics:	opaque

#### 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

Current

1 A

1 A (M12 version)

1 A

0.5 A

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

Voltage

24 VDC

35 VDC

110 VDC

220 VDC

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>Rated Operational Voltage <math>U_e</math>:</b>	250 VAC
<b>Rated insulation voltage <math>U_i</math>:</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 <math>I_{th}</math>:</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>	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
<b>Weight:</b>	0.019 kg

## AMBIENT CONDITION

**IP front protection:**

IP65, IP67

**Operating temperature:** – 30 °C ... + 70 °C

**Storage temperature:** – 40 °C ... + 80 °C

**Shock resistance:** Max. 500 m / s<sup>2</sup> as per IEC 60068-2-27

**Vibration resistance:** 10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6

**Climate resistance:** Damp heat, 21 days according to IEC 60512-11

## CERTIFICATE

**Approbations:** CB, CCC, C UL, UL

**Conformities:** CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

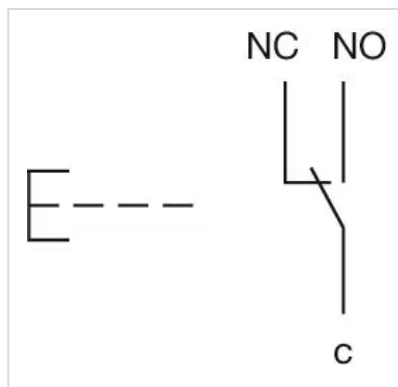
**REACH:** REACH compliant

**RoHS:** RoHS compliant

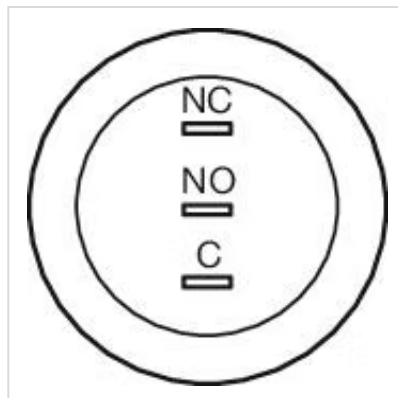
## OTHER

**Short Description:** Pushbutton Ø 19 mm silver contact, Momentary, 240 V, 1 C, Soldering terminal, 2.8 x 0.5 mm, Round, Stainless steel, Silver

**Wiring diagrams:**



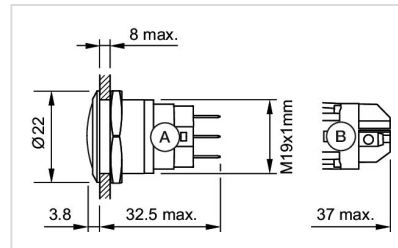
**Component layouts:**



### Mounting cut-outs:



### Dimension drawings:



A = Solder terminal  
B = Screw terminal