

Pushbutton Ø 16 mm silver contact

Distribution by DigiKey



82-4171.1000







82-4171.1000 Pushbutton Ø 16 mm silver contact

FRONT

Front dimension: Ø 18 mm

Front form: Round

Front bezel material: Stainless steel

Front bezel shape: Flush

MOUNTING

Mounting cut-out: Ø 16 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 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)

 $\cos \phi \ 0.75 \dots 0.8$

 Voltage
 Current

 120 VAC
 5 A

 240 VAC
 3 A

 24 VAC
 1 A

Contacts: 1 C

Rated Operational Voltage Ue: 250 VAC

Rated insulation voltage Ui: 250 V

Switching rating: 240 V

Electrical lifetime: 50 000 cycles of operation

Electric strength: 1500 VAC, 50 Hz 1 minute between life terminals and ground

Pollution degree: 2, according to EN IEC 60947-1

Thermal current Ith: 5 A

MECHANICAL CHARACTERISTICS

Terminal: Soldering terminal, 2.8 x 0.5 mm

Contact material: Silver

Switching action: Momentary

Switching system: Snap-action switching element

Mechanical lifetime: 1 Mil. cycles of operation

Operating force: 4 N ... 7 N

Operating Travel: ca. 3 mm

Tightening torque: 0.5 ... 0.6 Nm

Weight: 0.019 kg

AMBIENT CONDITION

IP front protection:

IP65, IP67

Operating temperature: $-30 \, ^{\circ}\text{C} \, ... \, + \, 70 \, ^{\circ}\text{C}$

Storage temperature: - 40 °C ... + 80 °C

Shock resistance: Max. 500 m / s² 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

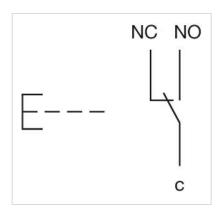
RoHS: RoHS compliant

OTHER

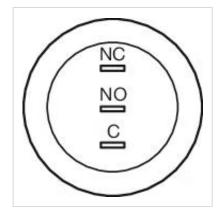
Short Description: Pushbutton Ø 16 mm silver contact, Momentary, 240 V, 1 C, Soldering terminal,

2.8 x 0.5 mm, Round, Stainless steel, Silver

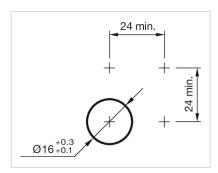
Wiring diagrams:



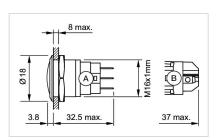
Component layouts:



Mounting cut-outs:



Dimension drawings:



A = Solder terminal B = Screw terminal