

Push button Ø
16 mm silver contact

Distribution by
Mouser



82-4171.2000



<https://mouser.eao.com/component/82-4171.2000...>

Your product:



82-4171.2000 Push button Ø 16 mm silver contact

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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

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

Contacts:	1 C
Rated Operational Voltage U_e:	250 VAC
Rated insulation voltage U_i:	250 V
Short circuit protective device:	fuse / 500 V / 5 A / gG
Rated short-circuit current caused:	AC: 1 kA DC: 1 kA
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 I_{th}:	5 A

MECHANICAL CHARACTERISTICS

Terminal:	Soldering terminal, 2.8 x 0.5 mm
Contact material:	Silver
Switching action:	Maintained
Switching system:	Snap-action switching element
Mechanical lifetime:	500 000 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

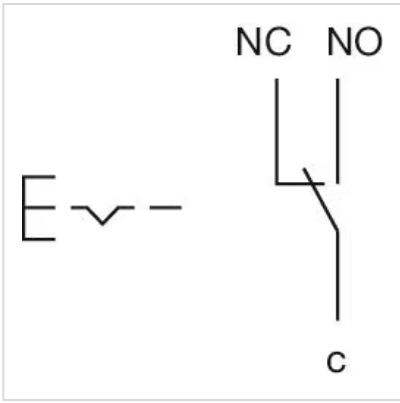
IP front protection:	IP65, IP67
Operating temperature:	- 30 °C ... + 70 °C
Storage temperature:	- 40 °C ... + 80 °C
Shock resistance:	Max. 500 m / s ² as per IEC 60068-2-27
Vibration resistance:	10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6
Climate resistance:	Damp heat, 21 days according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

CERTIFICATE

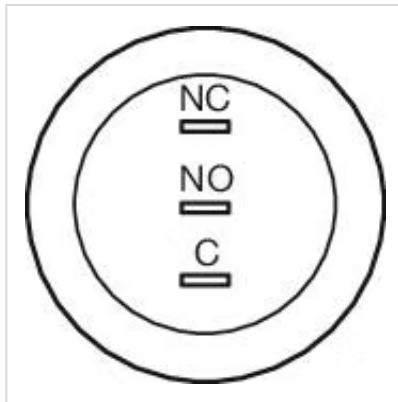
Approbations:	CB, CCC, C UL, UL
Conformities:	CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
REACH:	REACH compliant
RoHS:	RoHS compliant

OTHER

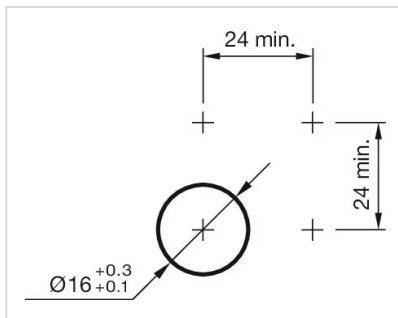
Short Description:	Push button Ø 16 mm silver contact, Maintained, 240 V , 1 C, Soldering terminal, 2.8 x 0.5 mm, Round, Stainless steel, Silver
Housing size:	16 mm
Wiring diagrams:	



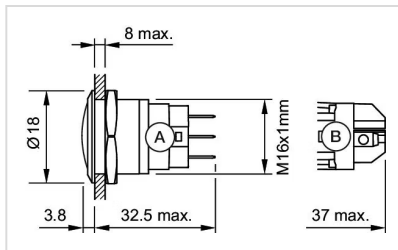
Component layouts:



Mounting cut-outs:



Dimension drawings:



A = Solder terminal
B = Screw terminal