

Push button Ø
16 mm silver contact

Distribution by
Mouser



82-4162.2000.B001



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Your product:



82-4162.2000.B001 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: | Raised |
| Lens optics: | opaque |
| Symbol: | ON/OFF |

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: | Screw terminal |
| 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, Screw terminal 0.1 Nm |
| Weight: | 0.02 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, Screw terminal, Round, Stainless steel, ON/OFF, Silver |
| Housing size: | 16 mm |
| Wiring diagrams: | |



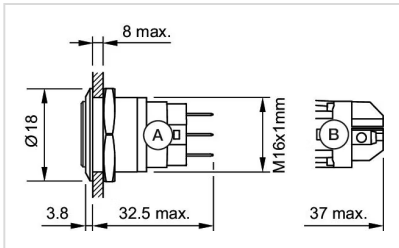
Component layouts:



Mounting cut-outs:



Dimension drawings:



A = Solder terminal
 B = Screw terminal