Series SB
Low/Medium Capacity Pushbuttons

GENERAL SPECIFICATIONS FOR SB25, SB60s, SB221s, SB265

Electrical Capacity (Resistive Load)

Power Level: Shown in the following tables

Other Ratings

Contact Resistance: 10 milliohms maximum
Insulation Resistance: 200 megohms minimum @ 500V DC for SB221s, SB25, & SB265; 1,000 megohms minimum @ 500V DC for SB60s.
Dielectric Strength: 1,500V AC minimum for SB265 & SB25 for 1 minute minimum; 2,000V AC minimum between contacts for SB221s & SB60s for 1 minute minimum; 1,500V AC minimum between contacts & case for SB221s & SB60s for 1 minute minimum
Mechanical Life: 50,000 operations minimum for SB221s; 30,000 operations minimum for SB25, SB60s, SB265
Electrical Life: 10,000 operations minimum
Total Travel: SB221s .116” (2.95mm); SB60s .094” (2.4mm); SB265 .213” (5.4mm); SB25 .195” (4.95mm)
Operating Temp Range: –10°C through +70°C (+14°F through +158°F)

Materials & Finishes

Cap: Polybutylene terephthalate (PBT) (AT414)
Plunger: Polyacetal or brass with nickel plating
Bushing: Brass with nickel plating
Case: Phenolic resin or melamine phenolic resin
Case Cover: Steel with zinc plating
Movable & Stationary Contacts: Copper with silver plating for SB221s; silver alloy with silver plating for SB25, SB60s, & SB265
Terminals: Copper with tin plating for SB25 & SB60s; copper with silver plating for SB265

Installation


Standards & Certifications

UL: File No. E44145 - Recognized only when ordered with marking on switch. Add “/U” or “/CUL” to end of part number to order UL recognized switch. UL or cULus recognition designated beside part numbers on following pages. See Supplement section to find UL or cULus rating details.

CSA: File No. 023535_0_000 - Certified only when ordered with marking on switch. Add “/C” to end of part number to order CSA certified switch. CSA certification designated beside part numbers on following pages. See Supplement section to find CSA rating details.
**Series SB**

**Low/Medium Capacity Pushbuttons**

### SINGLE POLE WITH SOLDER LUG OR SCREW LUG

* UL, cULus & CSA recognized only when ordered with marking on switch (see General Specs)

<table>
<thead>
<tr>
<th>Model</th>
<th><em>Approvals</em></th>
<th>Pole &amp; Throw</th>
<th>Pushbutton Position/Connected Terminals ( ) = Momentary</th>
<th>Electrical Capacity (Resitive)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB221NO</td>
<td>✔</td>
<td>SPST</td>
<td>Normal: OFF, Down: (ON) 1-4</td>
<td>AC 125V: 3A, AC 250V: 1.5A</td>
</tr>
<tr>
<td>SB221NC</td>
<td>✔ ✔ ✔</td>
<td>SPST</td>
<td>Normal: ON, Down: (OFF) 1-4</td>
<td>AC 125V: 3A, AC 250V: 1.5A</td>
</tr>
<tr>
<td>SB221TNO</td>
<td>✔ ✔ ✔</td>
<td>SPST</td>
<td>Normal: OFF, Down: (OFF) 1-4</td>
<td>AC 125V: 3A, AC 250V: 1.5A</td>
</tr>
<tr>
<td>SB221TNC</td>
<td>✔ ✔ ✔</td>
<td>SPST</td>
<td>Normal: ON, Down: (OFF) 1-4</td>
<td>AC 125V: 3A, AC 250V: 1.5A</td>
</tr>
</tbody>
</table>

**Suffix T = Screw Lug**

Pushbutton Position/Connected Terminals:

- Normal
- Down

**Panel Thickness**

- .193" (4.9mm)

**SB221NO**

- Supplied with AT414 Black Cap

**Notes:**

- Standard Hardware: AT504M Knurled Nut, AT508 Lockwasher, AT527M Hex Backup Nut. See Accessories & Hardware section.

---

### DOUBLE POLE WITH SOLDER LUG

* UL & cULus recognized only when ordered with marking on switch (see General Specs)

<table>
<thead>
<tr>
<th>Model</th>
<th><em>Approvals</em></th>
<th>Pole &amp; Throw</th>
<th>Pushbutton Position/Connected Terminals ( ) = Momentary</th>
<th>Electrical Capacity (Resitive)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB61A</td>
<td>✔</td>
<td>DPDT</td>
<td>Normal: ON 2-3, Down: (ON) 2-1</td>
<td>AC 125V: 10A, AC 250V: 5A</td>
</tr>
<tr>
<td>SB61B</td>
<td>✔ ✔ ✔</td>
<td>DPDT</td>
<td>Normal: ON 2-3, Down: (ON) 2-1</td>
<td>AC 125V: 3A, AC 250V: 1.5A</td>
</tr>
<tr>
<td>SB63A</td>
<td>✔ ✔ ✔</td>
<td>DPDT</td>
<td>Normal: ON 2-3, Down: (ON) or Lockdown ON 2-1</td>
<td>AC 125V: 10A, AC 250V: 5A</td>
</tr>
</tbody>
</table>

**Lockdown**

- For SB63A, Lockdown is achieved by actuating and then turning the button clockwise.

**Panel Thickness**

- .193" (4.9mm)

**Notes:**

- Standard Hardware: AT504M Knurled Nut, AT508 Lockwasher, AT527M Hex Backup Nut. See Accessories & Hardware section.

---

**Dimension:**

- .185" (4.7mm) for NO model & .150" (3.8mm) for NC model.
- .197" (5.0mm) for NO model & .161" (4.1mm) for NC model.

**SB61A**

- Supplied with AT414 Black Cap

---

**Dimension:**

- .169" (4.3mm) for SB61 model & .130" (3.3mm) for SB63 model.
**Series SB**

Low/Medium Capacity Pushbuttons

---

### DOUBLE POLE WITH SOLDER LUG

<table>
<thead>
<tr>
<th>Model</th>
<th>*Approvals</th>
<th>Pole &amp; Throw</th>
<th>Normal</th>
<th>Keyway</th>
<th>Down</th>
<th>Keyway</th>
<th>Electrical Capacity</th>
<th>Resistive</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB25</td>
<td>✔ ✔ ✔</td>
<td>DPDT</td>
<td>ON</td>
<td>2-3</td>
<td>5-6</td>
<td></td>
<td>AC 125V</td>
<td>15A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AC 250V</td>
<td>9A</td>
</tr>
</tbody>
</table>

**Notes:**
- Standard Hardware: AT504M Knurled Nut, AT508 Lockwasher, AT527M Hex Backup Nut. See Accessories & Hardware section.

---

### SINGLE POLE WITH SOLDER LUG

<table>
<thead>
<tr>
<th>Model</th>
<th>*Approvals</th>
<th>Pole &amp; Throw</th>
<th>Normal</th>
<th>Keyway</th>
<th>Down</th>
<th>Keyway</th>
<th>Electrical Capacity</th>
<th>Resistive</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB265</td>
<td>✔ ✔ ✔</td>
<td>SPST</td>
<td>ON</td>
<td>1-4</td>
<td></td>
<td></td>
<td>AC 125V</td>
<td>6A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AC 250V</td>
<td>3A</td>
</tr>
</tbody>
</table>

**Notes:**
- Standard Hardware: AT504M Knurled Nut, AT508 Lockwasher, AT527M Hex Backup Nut. See Accessories & Hardware section.