

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)
- 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
- Plunger:** Polyacetal or brass with nickel plating

Installation

Soldering Time & Temp: Manual Soldering (Solder Lug): See Profile A in Supplement section.

Standards & Certifications



UL & C-UL Recognized: Designated with UL & C-UL recognized symbols beside part numbers on following pages. See Supplement Index page Z2 to find rating details. UL File No. WOYR2.E44145; C-UL File No. WOYR80.E44145. Add "/U" or "C-UL" to end of part number to order UL or C-UL marks on switch.

CSA Certified: Designated with CSA certified symbol beside part numbers on following pages. See Supplement section to find rating details. CSA File No. 023535-0-000. Add "/C" to end of part number to order CSA mark on switch.

SINGLE POLE WITH SOLDER LUG OR SCREW LUG

Model	Approvals	Pole & Throw	Pushbutton Position/Connected Terminals () = Momentary		Electrical Capacity (Resistive)	
			Normal Keyway	Down	AC 125V	AC 250V
SB221NO	— —	SPST	OFF —	(ON) 1-4	3A	1.5A
SB221NC		SPST	ON 1-4	(OFF) —	3A	1.5A
*SB221TNO	— —	SPST	OFF —	(ON) 1-4	3A	1.5A
*SB221TNC		SPST	ON 1-4	(OFF) —	3A	1.5A

* Suffix T = Screw Lug

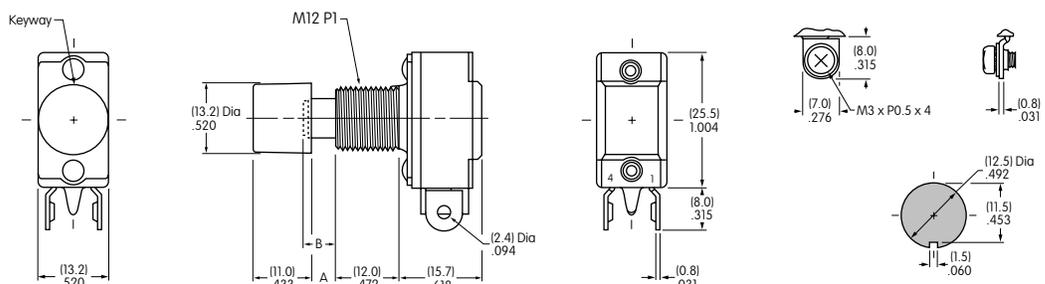
Throw & Schematic: SPST SB221NO SPST SB221NC

Note: Terminal numbers are actually on the switch.

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



SB221NO
Supplied with AT414 Black Cap



Dimension A: .185" (4.7mm) for NO model & .150" (3.8mm) for NC model.
Dimension B Plunger Extension: .197" (5.0mm) for NO model & .161" (4.1mm) for NC model.

Panel Thickness .193" (4.9mm)

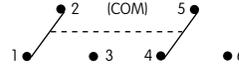
DOUBLE POLE WITH SOLDER LUG

Model	Approvals	Pole & Throw	Pushbutton Position/Connected Terminals () = Momentary				Electrical Capacity (Resistive)	
			Normal	Keyway	Down		AC 125V	AC 250V
SB61A		DPDT	ON	2-3 5-6	(ON)	2-1 5-4	10A	5A
SB61B	— — —	DPDT	ON	2-3 5-6	(ON)	2-1 5-4	3A	1.5A
*SB63A	— — —	DPDT	ON	2-3 5-6	(ON) or Lockdown ON	2-1 5-4	10A	5A

* Lockdown for SB63A is achieved by actuating and then turning the button clockwise.

Throw & Schematic:

DPDT

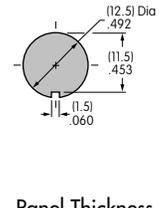
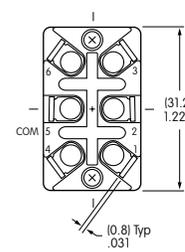
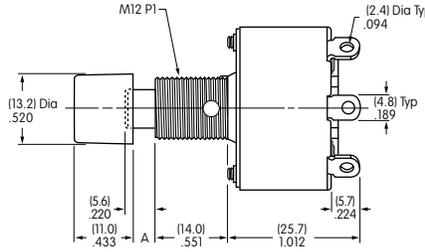
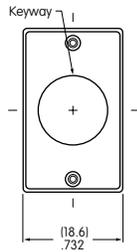


Note: Terminal numbers are actually on the switch.

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



SB61A
Supplied with AT414 Black Cap



Panel Thickness
.193" (4.9mm)

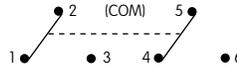
Dimension A: .169" (4.3mm) for SB61 model and .130" (3.3mm) for SB63 model.

DOUBLE POLE WITH SOLDER LUG

Model	Approvals	Pole & Throw	Pushbutton Position/Connected Terminals () = Momentary				Electrical Capacity (Resistive)	
			Normal	Keyway	Down		AC 125V	AC 250V
SB25		DPDT	ON	2-3 5-6	ON	2-1 5-4	15A	9A

Throw & Schematic:

DPDT

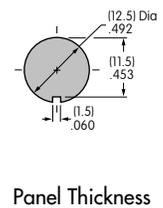
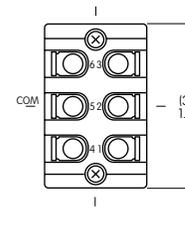
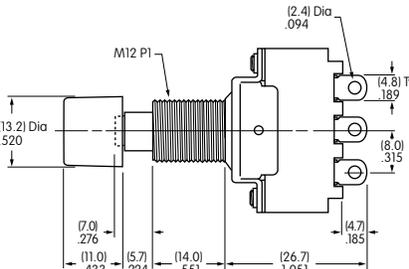
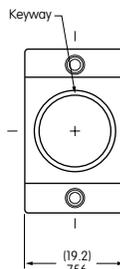


Note: Terminal numbers are actually on the switch.

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



SB25
Supplied with AT414 Black Cap



Panel Thickness
.193" (4.9mm)

SINGLE POLE WITH SOLDER LUG

Model	Approvals	Pole & Throw	Pushbutton Position/Connected Terminals () = Momentary		Electrical Capacity (Resistive)	
			Normal	Down	AC 125V	AC 250V
SB265		SPST	ON	OFF	6A	3A

Throw & Schematic:

SPST



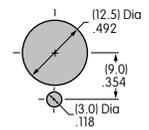
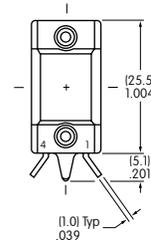
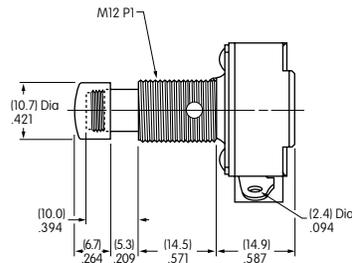
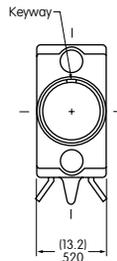
Note: Terminal numbers are actually on the switch.

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



SB265

Supplied with Chrome Plated Brass Cap



Panel Thickness
.291" (7.4mm)