

## GENERAL SPECIFICATIONS FOR SB25, SB60s, SB200s

### Electrical Capacity (Resistive Load)

Power Level: Shown in the following tables

### Other Ratings

<b>Contact Resistance:</b>	10 milliohms maximum
<b>Insulation Resistance:</b>	200 megohms minimum @ 500V DC for SB220s, SB265s, SB285; 1,000 megohms minimum @ 500V DC for SB60s; 100 megohms minimum @ 500V DC for SB25s
<b>Dielectric Strength:</b>	1,500V AC minimum for SB265s, SB285, & SB25s for 1 minute minimum; 2,000V AC minimum between contacts for SB220s & SB60s for 1 minute minimum; 1,500V AC minimum between contacts & case for SB220s & SB60s for 1 minute minimum
<b>Mechanical Life:</b>	50,000 operations minimum for SB220s; 30,000 operations minimum for SB25s, SB60s, SB265s, SB285
<b>Electrical Life:</b>	10,000 operations minimum
<b>Total Travel:</b>	SB220s .116" (2.95mm); SB60s .094" (2.4mm); SB265 .213" (5.4mm); SB285 & SB25s .195" (4.95mm)
<b>Operating Temp Range:</b>	-10°C through +70°C (+14°F through +158°F)

### Materials & Finishes

<b>Cap:</b>	Polybutylene terephthalate (PBT) (AT414)
<b>Plunger:</b>	Polyacetal or brass with nickel plating
<b>Bushing:</b>	Brass with nickel plating
<b>Case:</b>	Phenolic resin or melamine phenolic resin
<b>Case Cover:</b>	Steel with zinc plating
<b>Movable &amp; Stationary Contacts:</b>	Copper with silver plating for SB220s; silver alloy with silver plating for SB25s, SB60s, & SB200s
<b>Terminals:</b>	Copper with tin plating for SB25s & SB60s; copper with silver plating for SB200s

### Standards & Certifications



**UL Recognized:** Designated with UL recognized symbol beside part numbers on following pages  
See Supplement Index (page Z2) to find UL rating details. UL File No. WOYR2.E44145  
Add "/U" to end of part number to order UL mark on switch.



**CSA Certified:** Designated with CSA certified symbol beside part numbers on following pages  
See Supplement section to find UL 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

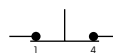
\* Suffix T = Screw Lug

**Throw & Schematic:**

SPST  
SB221NO

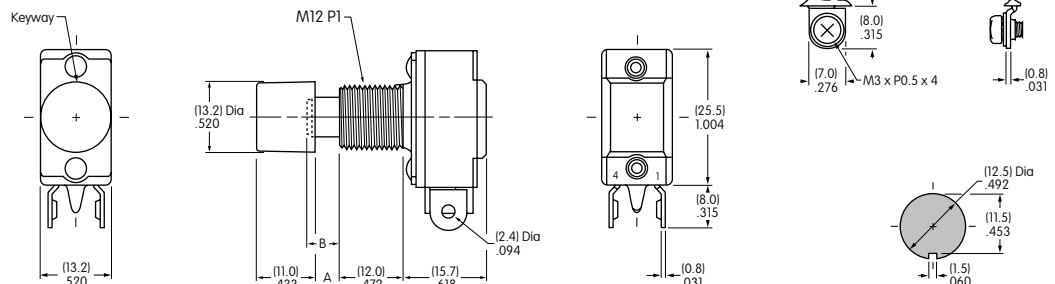


SPST  
SB221NC



Note: Terminal numbers are actually on the switch.

- Standard Hardware: AT504 Knurled Nut, AT508 Lockwasher, AT527 Hex Backup Nut. See Accessories & Hardware section for details.
- Solder lug terminal hole accommodates one 12-gauge solid or stranded wire.



**SB221NO**  
Supplied w/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	Down		AC 125V	AC 250V	
SB61A		DPDT	OFF	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

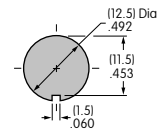
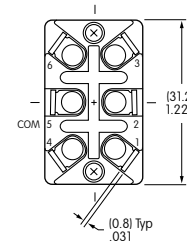
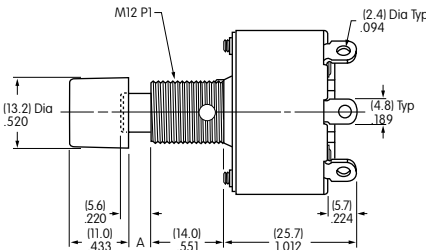
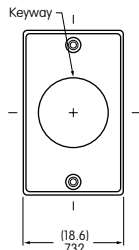
\* Lockdown for SB63A is achieved by actuating & then turning the button clockwise.

Throw & Schematic:



Note: Terminal numbers are actually on the switch.

- Standard Hardware: AT504 Knurled Nut, AT508 Lockwasher, AT527 Hex Backup Nut. See Accessories & Hardware section for details.
- Solder lug terminal hole accommodates one 12-gauge solid or stranded wire.



Panel Thickness .193" (4.9mm)

### SB61A

Supplied w/AT414 Black Cap

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

## DOUBLE POLE WITH SOLDER LUG

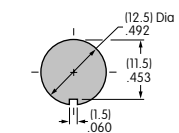
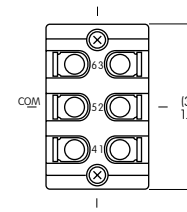
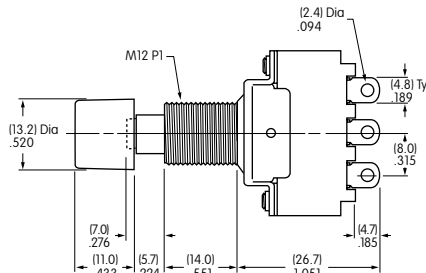
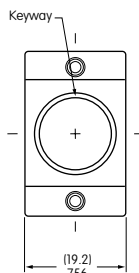
Model	Approvals	Pole & Throw	Pushbutton Position/Connected Terminals ( ) = Momentary			Electrical Capacity (Resistive)		
			Normal	Down		AC 125V	AC 250V	
SB25		DPDT	ON	2-3 5-6	ON	2-1 5-4	15A	9A

Throw & Schematic:



Note: Terminal numbers are actually on the switch.

- Standard Hardware: AT504 Knurled Nut, AT508 Lockwasher, AT527 Hex Backup Nut. See Accessories & Hardware section for details.
- Solder lug terminal hole accommodates one 12-gauge solid or stranded wire.



Panel Thickness .193" (4.9mm)

### SB25

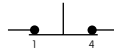
Supplied w/AT414 Black Cap

## SINGLE POLE WITH SOLDER LUG

Model	Approvals	Pole & Throw	Pushbutton Position/Connected Terminals ( ) = Momentary		Electrical Capacity (Resistive)	
			Normal  Keyway	Down	AC 125V	AC 250V
SB265		SPST	ON 1-4	OFF —	6A	3A

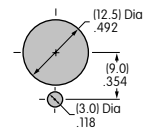
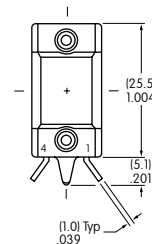
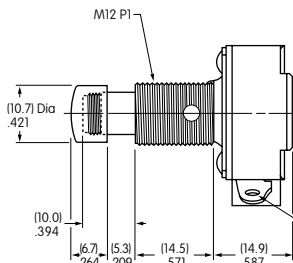
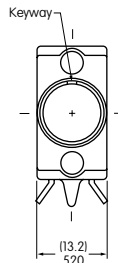
Throw & Schematic:

SPST



Note: Terminal numbers are actually on the switch.

- Standard Hardware: AT504 Knurled Nut, AT508 Lockwasher, AT527 Hex Backup Nut. See Accessories & Hardware section for details.
- Solder lug terminal hole accommodates one 12-gauge solid or stranded wire.



Panel Thickness  
.291" (7.4mm)

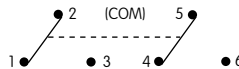
**SB265**  
Supplied with Chrome  
Plated Brass Cap

## DOUBLE POLE WITH SOLDER LUG

Model	Approvals	Pole & Throw	Pushbutton Position/Connected Terminals ( ) = Momentary		Electrical Capacity (Resistive)	
			Normal  Keyway	Down	AC 125V	AC 250V
SB285	—	DPDT	ON 2-3 5-6	ON 2-1 5-4	6A	3A

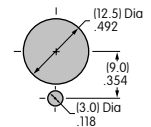
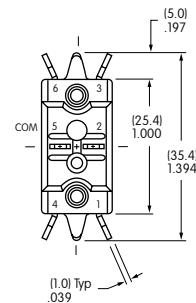
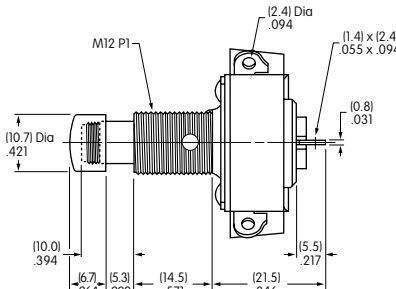
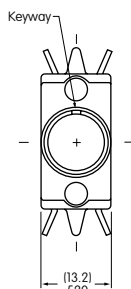
Throw & Schematic:

DPDT



Note: Terminal numbers are actually on the switch.

- Standard Hardware: AT504 Knurled Nut, AT508 Lockwasher, AT527 Hex Backup Nut. See Accessories & Hardware section for details.
- Solder lug terminal hole accommodates one 12-gauge solid or stranded wire.



Panel Thickness  
.272" (6.9mm)

**SB285**  
Supplied with Chrome  
Plated Brass Cap