

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

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



Standards & Certifications


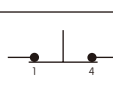
- UL:

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:

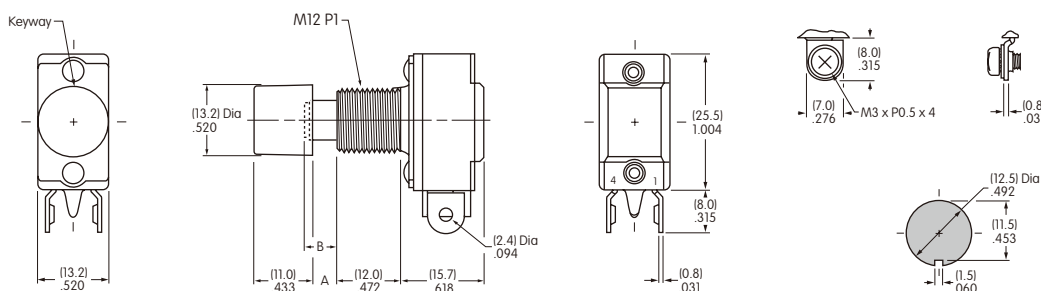
File No. 023535_0_000 - Certified only when ordered with marking on switch.
Add "/C" to end of part number to order CSA certified switch.
CSA certification designated beside part numbers on following pages.
See Supplement section to find CSA rating details.

SINGLE POLE WITH SOLDER LUG OR SCREW LUG

* UL, cULus & CSA recognized only when ordered with marking on switch (see General Specs)			Pushbutton Position/Connected Terminals () = Momentary		Electrical Capacity (Resistive)	
Model	* Approvals UL cULus CSA	Pole & Throw	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.

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





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)

SB221NO
Supplied with
AT414 Black Cap

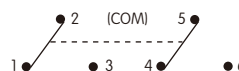
DOUBLE POLE WITH SOLDER LUG

* UL & cULus recognized only when ordered with marking on switch (see General Specs)			Pushbutton Position/Connected Terminals () = Momentary		Electrical Capacity (Resistive)	
Model	* Approvals UL cULus CSA	Pole & Throw	Normal  Keyway	Down 	AC 125V	AC 250V
SB61A	✓ ✓ —		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.

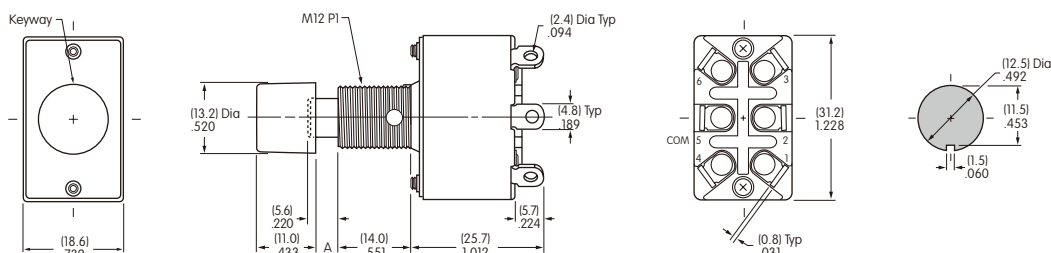
Throw & Schematic:

DPDT



Note: Terminal numbers are actually on the switch.

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




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

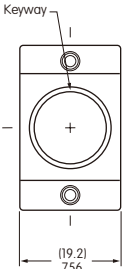
Panel Thickness
.193" (4.9mm)

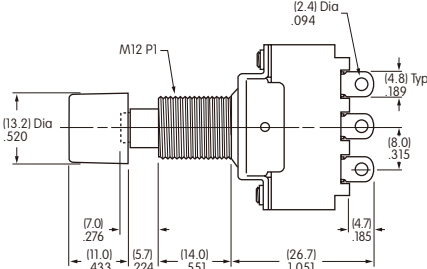
SB61A
Supplied with
AT414 Black Cap

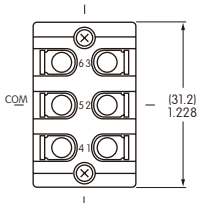
DOUBLE POLE WITH SOLDER LUG							
* UL, cULus & CSA recognized only when ordered with marking on switch (see General Specs)			Pushbutton Position/Connected Terminals () = Momentary			Electrical Capacity (Resistive)	
Model	* Approvals	Pole & Throw	Normal	Down	AC 125V	AC 250V	
SB25	✓ UL ✓ cULus ✓ CSA	DPDT	ON Keyway 2-3 5-6	ON 2-1 5-4	15A	9A	
Throw & Schematic:			DPDT			Note: Terminal numbers are actually on the switch.	

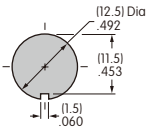
Notes: Standard Hardware: AT504M Knurled Nut, AT508 Lockwasher, AT527M Hex Backup Nut. See Accessories & Hardware section.












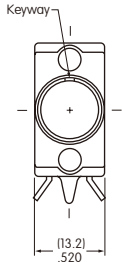
SB25
Supplied with
AT414 Black Cap

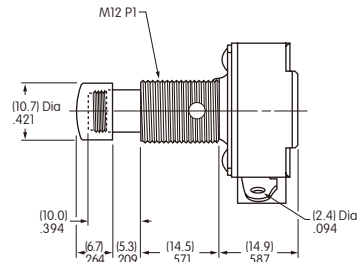
Panel Thickness
.193" (4.9mm)

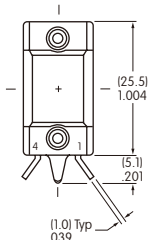
SINGLE POLE WITH SOLDER LUG							
* UL, cULus & CSA recognized only when ordered with marking on switch (see General Specs)			Pushbutton Position/Connected Terminals () = Momentary			Electrical Capacity (Resistive)	
Model	* Approvals	Pole & Throw	Normal	Down	AC 125V	AC 250V	
SB265	✓ UL ✓ cULus ✓ CSA	SPST	ON Keyway 1-4	OFF —	6A	3A	
Throw & Schematic:			SPST			Note: Terminal numbers are actually on the switch.	

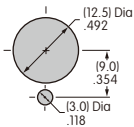
Notes: Standard Hardware: AT504M Knurled Nut, AT508 Lockwasher, AT527M Hex Backup Nut. See Accessories & Hardware section.











SB265
Supplied with Chrome
Plated Brass Cap

Panel Thickness
.291" (7.4mm)