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

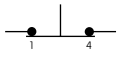
UL: **File No. E44145 - Recognized only when ordered with marking on switch.**
Add "/U" or "/CUL" to end of part number to order UL recognized switch.
UL or cULus recognition designated beside part numbers on following pages.
See Supplement section to find UL or cULus rating details.
CSA: **File No.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

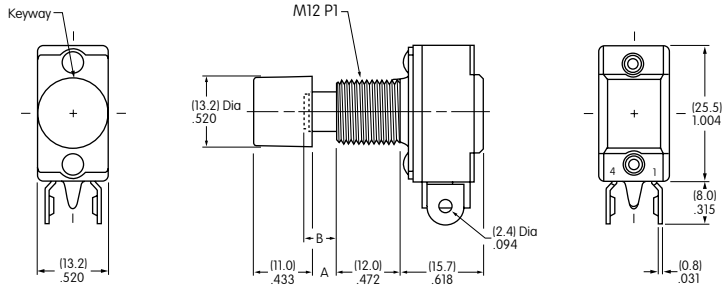
Suffix T = Screw Lug

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.
* Wire harness & cable assemblies offered only in Americas.





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.

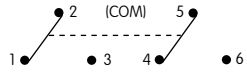
Panel Thickness .193" (4.9mm)

SB221NO Supplied with AT414 Black Cap

DOUBLE POLE WITH SOLDER LUG *

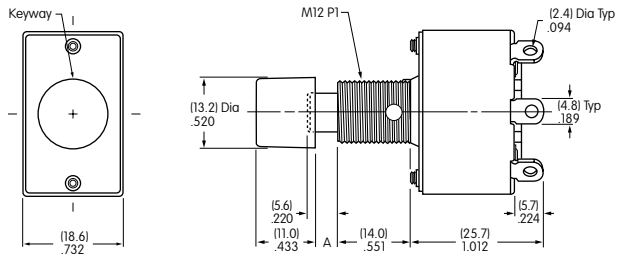
* UL & cULus recognized only when ordered with marking on switch (see General Specs)				Pushbutton Position/Connected Terminals ( ) = Momentary				Electrical Capacity (Resistive)	
Model	*Approvals		Pole & Throw	Normal	Keyway	Down		AC 125V	AC 250V
SB61A	✓	✓	—	ON	2-3 5-6	(ON)	2-1 5-4	10A	5A
SB61B	—	—	DPDT	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.
* Wire harness & cable assemblies offered only in Americas.





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

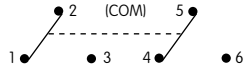
Panel Thickness .193" (4.9mm)

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	Keyway	Down		AC 125V	AC 250V
SB25	✓ ✓ ✓	DPDT	ON	2-3 5-6	ON	2-1 5-4	15A	9A

Throw & Schematic: DPDT

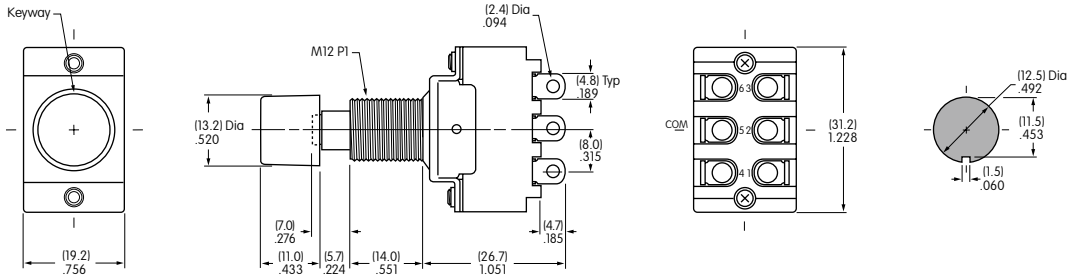


Note: Terminal numbers are actually on the switch.

Notes: Standard Hardware: AT504M Knurled Nut, AT508 Lockwasher, AT527M Hex Backup Nut. See Accessories & Hardware section.
* Wire harness & cable assemblies offered only in Americas.



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	Keyway	Down		AC 125V	AC 250V
SB265	✓ ✓ ✓	SPST	ON	1-4	OFF	—	6A	3A

Throw & Schematic: SPST

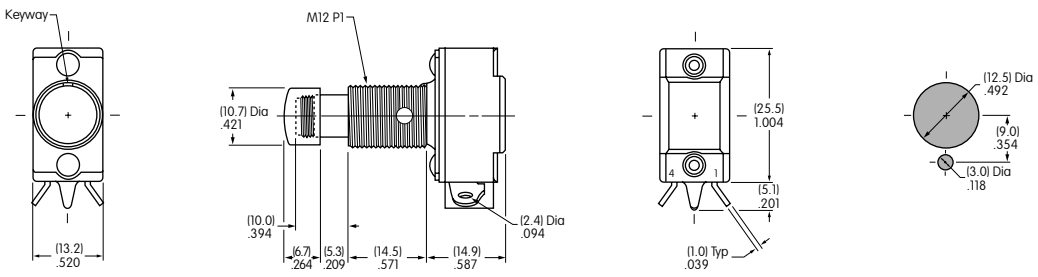


Note: Terminal numbers are actually on the switch.

Notes: Standard Hardware: AT504M Knurled Nut, AT508 Lockwasher, AT527M Hex Backup Nut. See Accessories & Hardware section.
* Wire harness & cable assemblies offered only in Americas.



SB265
Supplied with Chrome Plated Brass Cap



Panel Thickness
.291" (7.4mm)