Series SB

GENERAL SPECIFICATIONS FOR SB25, SB60s, SB221s, SB265

Electrical Capacity (Resistive Load)

Power Level: Shown in the following tables

Other Ratings

Toggles

Rockers

С

Keylocks Programmable Illuminated PB Pushbuttons

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;
C C	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°E through +1.58°E)

Materials & Finishes

Cap:	Polybutylene terephthalate (PBT) (AT414)
Plunger:	Polyacetal or brass with nickel plating
	Brass with nickel plating
Case:	Phenolic resin or melamine phenolic resin
	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.

File No. 023535_0_000 - Certified only when ordered with marking on switch. CSA: 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.

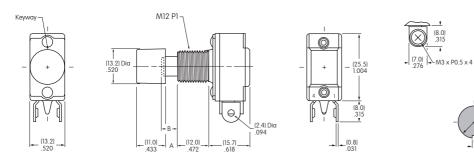
Rotaries



Series SB

L, cULus & CSA reco on sv	ognized or vitch (see C	nly when General S	ordered pecs)	with marking	Pushbutton Position/Connected Terminals () = Momentary				Electrical Capacity (Resistive)		
Model	۸* ل <i></i> R	pprovo د جلا نیه	Ils SP	Pole & Throw	Normal	Keyway	Down		AC 125V	AC 250V	
SB221NO			\checkmark	SPST	OFF	_	(ON)	1-4	3A	1.5A	
SB221NC		\checkmark	\checkmark	SPST	ON	1-4	(OFF)	_	3A	1.5A	
SB221TNO			\checkmark	SPST	OFF	_	(ON)	1-4	3A	1.5A	
SB221TNC		\checkmark	\checkmark	SPST	ON	1-4	(OFF)	—	3A	1.5A	

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



Normal

ON

ON

Pole &

Throw

DPDT



SB221NO

Supplied with

AT414 Black Cap

Electrical Capacity (Resistive)

AC 250V

5A

1.5A 5A

AC 125V

10A

3A

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.

* UL & cULus recognized only when ordered with

marking on switch (see General Specs) *Approvals

c Sus

SP

(5.6) .220 (11.0) .433

R

Model

SB61A

SB61B

Panel Thickness .193" (4.9mm)

> 2-1 5-4

> 2-1 5-4

(1.5) 060

- (0.8) 031

(12.5) Dia .492

(11.5)

Rotaries

Toggles

Rockers

Keylocks Programmable Illuminated PB Pushbuttons

Slides

Tactiles

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Touch

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SB61A Supplied with AT414 Black Cap

SB63A				DPDT	ON	2-3 5-6	(ON) or Lockdown ON	2-1	5-4	10A	5A	
Lockdown fo achieved by turning the l	ng and	then e.	Throw 8 Schema	-	DPDT	• 2 (COM) 5 • 1 ● 3 4 ●	6			numbers are on the switch.		
Notes: Standard Hardware: AT504M Knurled Nut, AT508 Lockwasher, AT527M Hex Backup Nut. See Accessories & Hardware section.												
Keyway 1 -]	† (13.2) Dia _ .520	M12			12.4) Dia Typ .094			(12.5) 492 453	Dia		

-Keyway

2-3 5-6

2-3 5-6

DOUBLE POLE WITH SOLDER LUG

Pushbutton Position/Connected Terminals () = Momentary

Down

(ON)

(ON)

(0.8) Typ

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

(14.0

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6

+ (5.7

(25.7)

Panel Thickness .193" (4.9mm)



(18.6)



Series SB

Low/Medium Capacity Pushbuttons



Keylocks Programmable Illuminated PB Pushbuttons

Rotaries

Slides

Tactiles

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C

	DOUBLE POLE WITH SOLDER LUG												
	* UL, cULus & C marking	SA recogn g on switcl				Pushbutton	Position/Connect	Electrical Capacity (Resistive)					
	Model *Approvals Pole & Throw		Normal	Keyway	Down		AC 125V	AC 250V					
	SB25	~	\checkmark	\checkmark	DPDT	ON	2-3 5-6	ON	2-1 5-4	15A	9A		
C		-		Throw Schemo		DPDT	1	(COM) 5 • 3 4 •	Note: Terminal numbers are actually on the switch.				

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

M12 P1

(7.0) .276 (11.0) .433

+ (5.7)

(14.0) .551

(13.2) Dia .520

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(2.4) Dia .094

(26.7) 1.051 ò

0

COV

(31.2)





Keyway

+

0

l (19.2) .756

SB25 Supplied with AT414 Black Cap

Panel Thickness .193″ (4.9mm)

(12.5) Dia .492

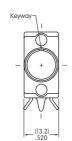
(11.5) .453

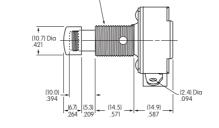
	SINGLE POLE WITH SOLDER LUG											
_	* UL, cULus & C marking	SA recogr g on swite	nized only h (see Ge	y when eneral S	ordered with pecs)	Pushbutton Position/Connected Terminals () = Momentary				Electrical Capacity (Resistive)		
	Model	۸* <i>L</i> R	pprovo c RL us		Pole & Throw	Normal		Down		AC 125V	AC 250V	
-	SB265	/	/		SPST	ON	1-4	OFF	_	6A	3A	
		Thro Sche	w & matic:	SP	ST				Note: Terminal numbers are actually on the switch.			

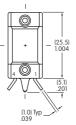
Notes: Standard Hardware: AT504M Knurled Nut, AT508 Lockwasher, AT527M Hex Backup Nut. See Accessories & Hardware section.

M12 P1

SB265 Supplied with Chrome Plated Brass Cap









Panel Thickness .291″ (7.4mm)

