Series FB & SB

General Specifications

Ceneral Specifications		
	FB Series	SB Series
Electrical Capacity (Resistive Load)		
Power Level: Logic Level:	500mA @ 125V AC for silver 0.4VA max. @ 28V AC/DC max. for gold (Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V) Note: Find additional explanation in Supplement section.	3A @ 125V AC or 2A @ 250V AC or 2A @ 30V DC for silver 0.4VA max. @ 28V AC/DC max. for gold (Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V) Note: Find explanation of operating range in Supplement section.
Other Ratings		
Contact Resistance:	30 milliohms maximum for silver;	10 milliohms maximum for silver;
-	30 milliohms maximum for gold	20 milliohms maximum for gold 200 megohms minimum @ 500V DC
Insulation Resistance: Dielectric Strength:	100 megohms minimum @ 500V DC 1,000V AC minimum between contacts & between contacts & case for 1 minute minimum	1,000V AC minimum between contacts & between contacts & case for 1 minute minimum
Mechanical Life:	50,000 operations minimum	30,000 operations minimum
Electrical Life:	50,000 operations minimum	10,000 operations minimum
Nominal Operating Force:	2.16N	4.90N
Travel:	Pretravel .043" (1.1mm)	Normally Open
-	Overtravel .022" (0.57mm)	Total Travel .088" (2.24mm)
	Total Travel .065″ (1.67mm)	Normally Closed
Materials 9 Etateless		Total Travel .088″ (2.24mm)
Materials & Finishes Plunger:	Polyacetal	Black: Phenolic resin
Fioliger.	rolyaceiai	Red: Urea formaldehyde resin
Bushing:	Brass with nickel plating	Brass with nickel plating
Case:	Phenolic resin	Phenolic resin
Movable Contactor:	Copper with silver or gold plating	Copper with silver or gold plating
Stationary Contacts: Terminals:	Phosphor bronze with silver or gold plating	Copper with silver or gold plating
ierminais:	Phosphor bronze with silver or gold plating	Copper with silver or gold plating
Environmental & Installation Data		
Operating Temp Range:	-10°C through +70°C (+14°F through +158°F)	-10°C through +70°C (+14°F through +158°F)
Soldering Time &	Manual Soldering:	Manual Soldering:
Temperature:	See Profile A in Supplement section.	See Profile A in Supplement section.
- Standards & Certifications		
UL:	File No. E44145 - Recognized only when	File No. E44145 - Recognized only when ordered
	ordered with marking on switch.	with marking on switch.
	Add "/U" or "/CUL" before dash in part	Add "/U" or "/CUL" before dash in part number to order UL recognized switch.
-	number to order UL recognized switch. Models rated 0.5A @ 125V AC Single pole;	Models rated 3A @ 125V AC & 2A @ 250V AC.
	Momentary action circuit with solder lug	Single pole: Momentary action circuit with solder lug
	terminations.	terminations. Black plunger only.
- CSA:		File No. 023535_0_000 - Certified only when
CSA:		ordered with marking on switch.
		Add "/C" before dash in part number to order CSA
		certified switch.
_		SB series rated 3A @ 125V AC & 2A @ 250V AC.

SB series rated 3A @ 125V AC & 2A @ 250V AC. Single pole: Momentary action circuit with solder lug terminations. Black plunger only.



C

Rotaries

Touch

Supplement Accessories Indicators

Toggles

Distinctive Characteristics

Optional caps in different colors to vary appearance as needed.

Low operating force for ease of actuation.

Rear panel bushing mount with compact behind panel dimension.

Internal antijamming feature to protect the contacts from damage due to excessive force on the plunger.

Self-cleaning contacts make FB models highly reliable.

Low cost device of rugged one-piece bushing and housing construction.

Reliability of construction with an internal guide to maintain contact alignment.

FB15ANEP and SB4011NO models have epoxy sealed terminals.





SWITCHES

Series FB



Series FB



Series SB



Series SB

Toggles

Rockers

Programmable Illuminated PB Pushbuttons

Keylocks

Rotaries

Slides

Tactiles

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Touch

Indicators

Supplement Accessories

TYPICAL SWITCH DIMENSIONS



