#### Series FB & SB

Toggles

Rockers

C

Keylocks Programmable Illuminated PB Pushbuttons

Rotaries

Slides

Tactiles

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# General Specifications

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	FB Series	SB Series
Electrical Capacity (Res Power Level: Logic Level:	istive Load) 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; 30 milliohms maximum for gold	10 milliohms maximum for silver; 20 milliohms maximum for gold
Insulation Resistance: Dielectric Strength:	100 megohms minimum @ 500V DC 1,000V AC minimum between contacts & between contacts & case for 1 minute minimum	200 megohms minimum @ 500V DC 1,000V AC minimum between contacts & between contacts & case for 1 minute minimum
Mechanical Life: Electrical Life:	50,000 operations minimum 50,000 operations minimum	30,000 operations minimum 10,000 operations minimum 4.90N
Nominal Operating Force: Travel:	2.16N Pretravel .043" (1.1mm) Overtravel .022" (0.57mm) Total Travel .065" (1.67mm)	Normally Open Total Travel .088" (2.24mm) Normally Closed Total Travel .088" (2.24mm)
Materials & Finishes Plunger:	Polyacetal	Black: Phenolic resin Red: Urea formaldehyde resin
Bushing: Case: Movable Contactor: Stationary Contacts: Terminals:	Brass with nickel plating Phenolic resin Copper with silver or gold plating Phosphor bronze with silver or gold plating Phosphor bronze with silver or gold plating	Brass with nickel plating Phenolic resin Copper with silver or gold plating Copper with silver or gold plating Copper with silver or gold plating
Environmental & Instal Operating Temp Range: Soldering Time & Temperature:	ation Data -10°C through +70°C (+14°F through +158°F) Manual Soldering: See Profile A in Supplement section.	–10°C through +70°C (+14°F through +158°F) Manual Soldering: 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. Add "/U" or "/CUL" before dash in part number to order UL recognized switch. Models rated 0.5A @ 125V AC Single pole; Momentary action circuit with solder lug terminations.	with marking on switch. Add "/U" or "/CUL" before dash in part number to order UL recognized switch. Models rated 3A @ 125V AC & 2A @ 250V AC. Single pole: Momentary action circuit with solder lug terminations.
CSA:		File No. 023535_0_000 - Certified only when 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. Single pole: Momentary action circuit with solder lug

terminations.

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.

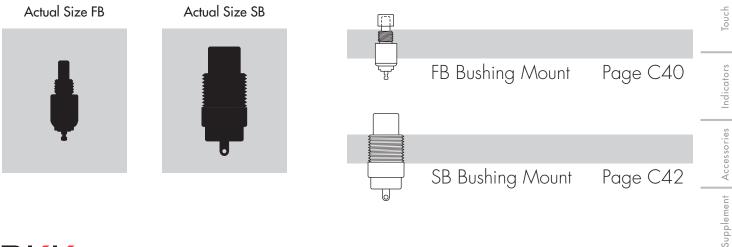
Self-cleaning contacts make FB models highly reliable.

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

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

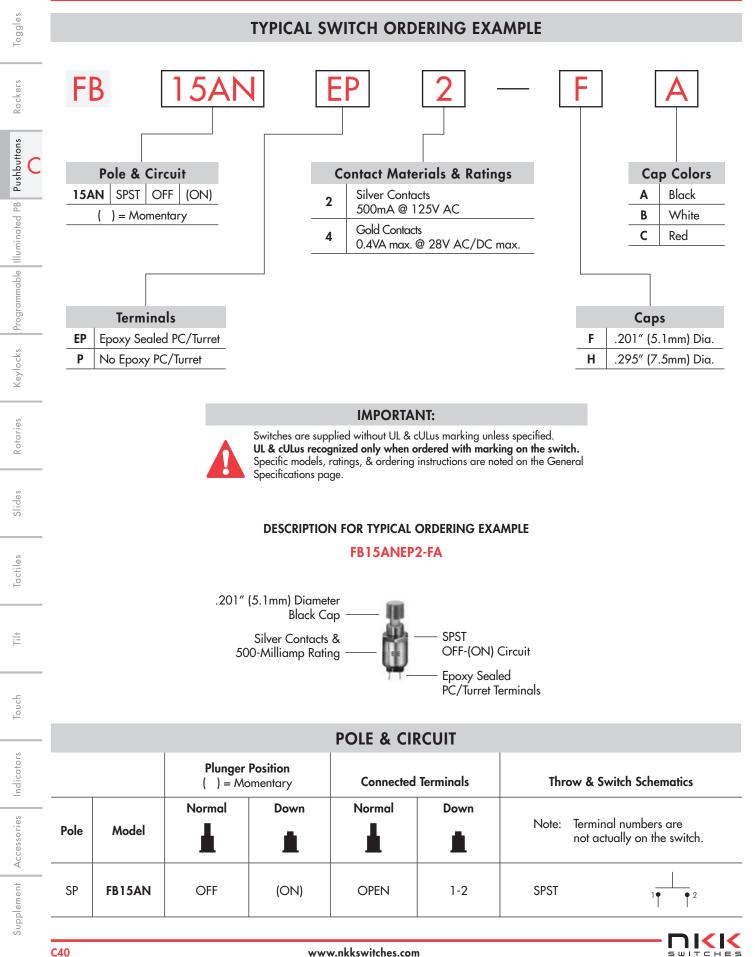
FB15ANEP and SB4011NO models have epoxy sealed terminals.



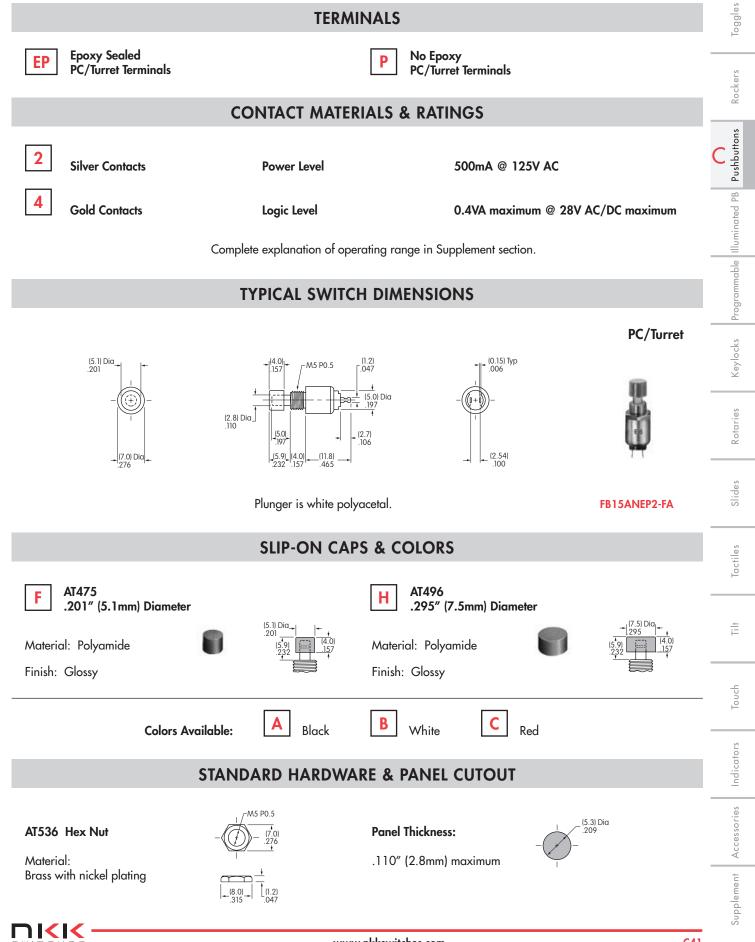


SWITCHES

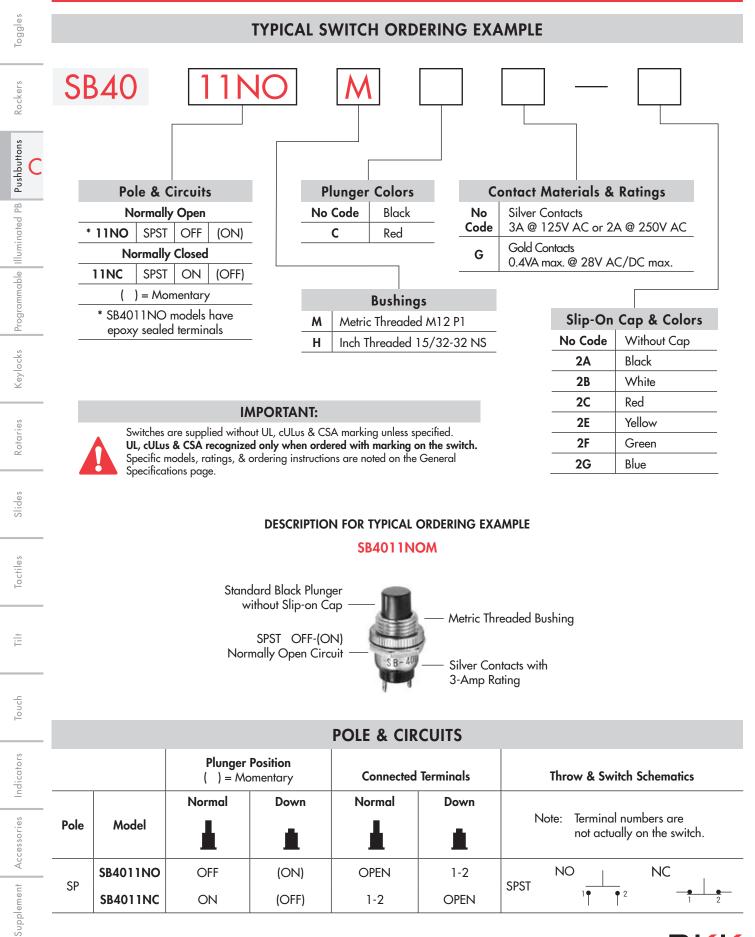
### **Series FB**



**Series FB** 



### **Series SB**





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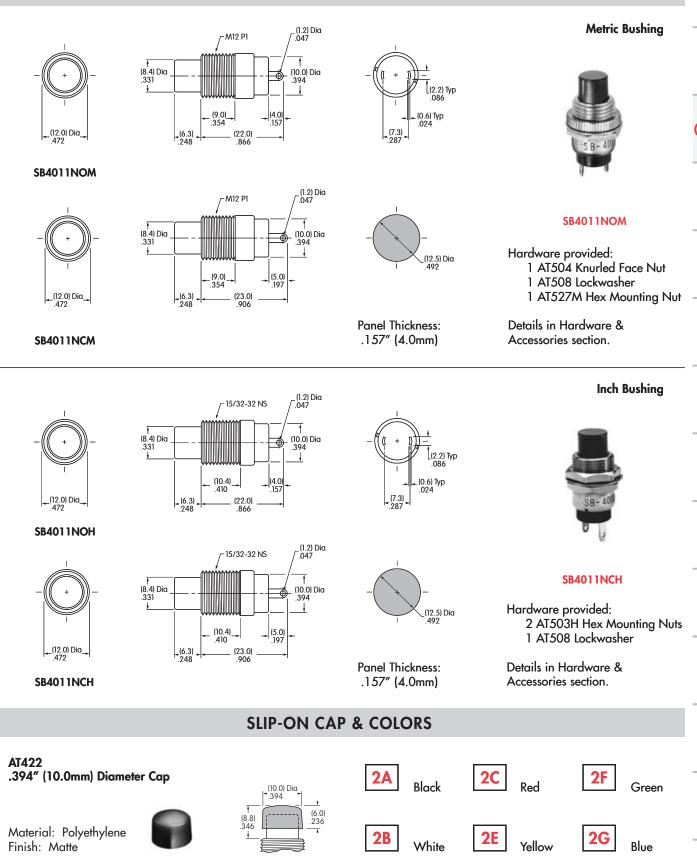
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Touch

Indicators

Supplement Accessories

#### **TYPICAL SWITCH DIMENSIONS**





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