imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Series FB & SB

General Specifications

-General Specifications		
	FB Series	SB Series
Electrical Capacity (Resistive Load)		
Power Level:	500mA @ 125V AC for silver	3A @ 125V AC or 2A @ 250V AC or
Logic Level:	0.4VA max. @ 28V AC/DC max. for gold	2A @ 30V DC for silver
	(Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V) Note: Find additional explanation in	0.4VA max. @ 28V AC/DC max. for gold (Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V)
-	Supplement section.	Note: Find explanation of operating range in
		Supplement section.
Other Ratings		
Contact Resistance:	30 milliohms maximum for silver;	10 milliohms maximum for silver;
Insulation Resistance:	30 milliohms maximum for gold 100 megohms minimum @ 500V DC	20 milliohms maximum for gold 200 megohms minimum @ 500V DC
Dielectric Strength:	1,000V AC minimum between contacts &	1,000V AC minimum between contacts
Dielectric Strengill.	between contacts & case for 1 minute minimum	& 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 Total Travel .088" (2.24mm)
Materials & Finishes		
Plunger:	Polyacetal	Phenolic resin
Bushing:	Brass with nickel plating	Brass with nickel plating
Case: Movable Contactor:	Phenolic resin	Phenolic resin
Stationary Contacts:	Copper with silver or gold plating Phosphor bronze with silver or gold plating	Copper with silver or gold plating Copper with silver or gold plating
Terminals:	Phosphor bronze with silver or gold plating	Copper with silver or gold plating
Environmental & Instal		
Operating Temp Range: Soldering Time &	–10°C through +70°C (+14°F through +158°F) Manual Soldering:	–10°C through +70°C (+14°F through +158°F) Manual Soldering:
Temperature:	See Profile A in Supplement section.	See Profile A in Supplement section.
Standards & Certificati — UL:	ons File No. E44145	File No. E44145
UL.	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.
_	Add "/U" to end of part number to order UL mark on switch.	Add "/U" to end of part number to order UL mark on
	Add "/CUL" to end of part number to order	switch. Add "/CUL" to end of part number to order cULus
	cULus mark on switch.	mark on switch.
CSA:		Eila Number 022525 0 000
CSA:		File Number: 023535_0_000 SB series rated 3A @ 125V AC & 2A @ 250V AC.
		Single pole: Momentary action circuit with solder lug
		terminations.
_		Add "/C" to end of part number to order CSA mark on switch.

Rotaries

Slides

Tactiles

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Touch

Supplement Accessories Indicators

С

Toggles

Toggles

Rockers

Keylocks Programmable Illuminated PB Pushbuttons

Rotaries

Slides

Tactiles

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Touch

Indicators

Supplement Accessories

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.

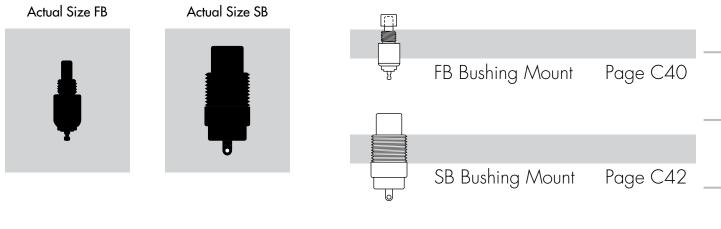
Self-cleaning contacts make FB models highly reliable.

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

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

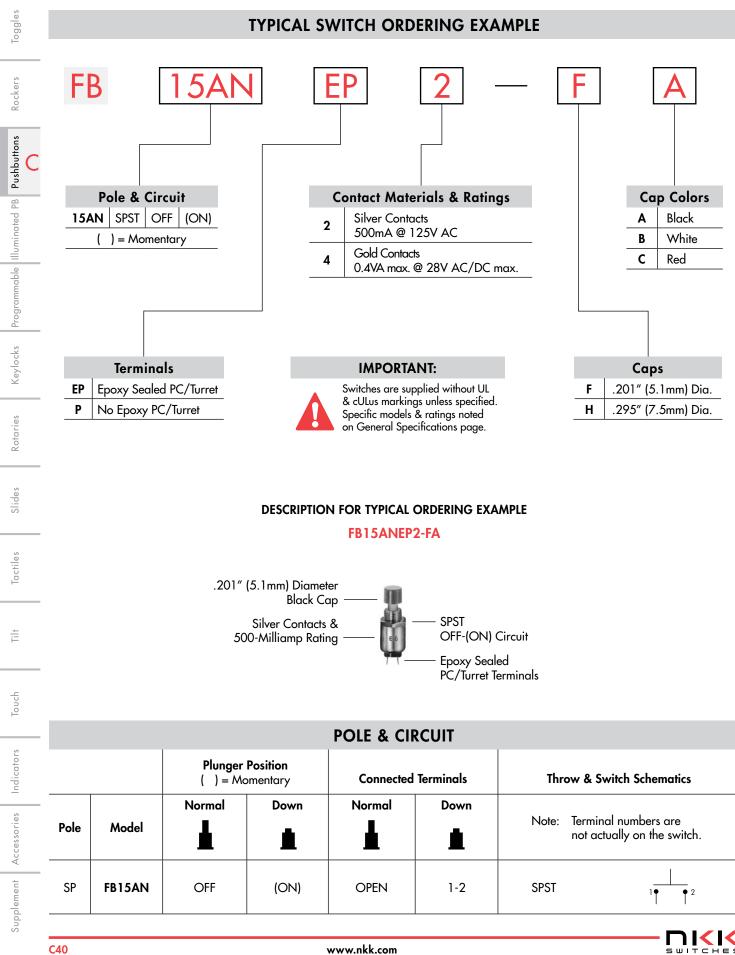
Epoxy sealed terminals.



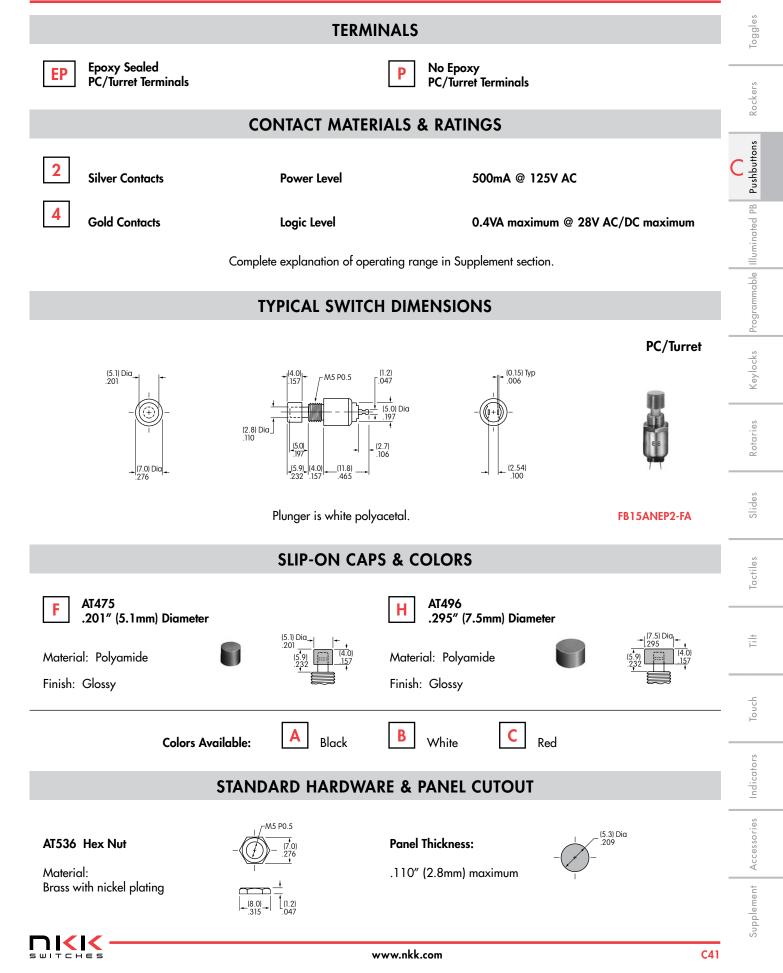


Series FB

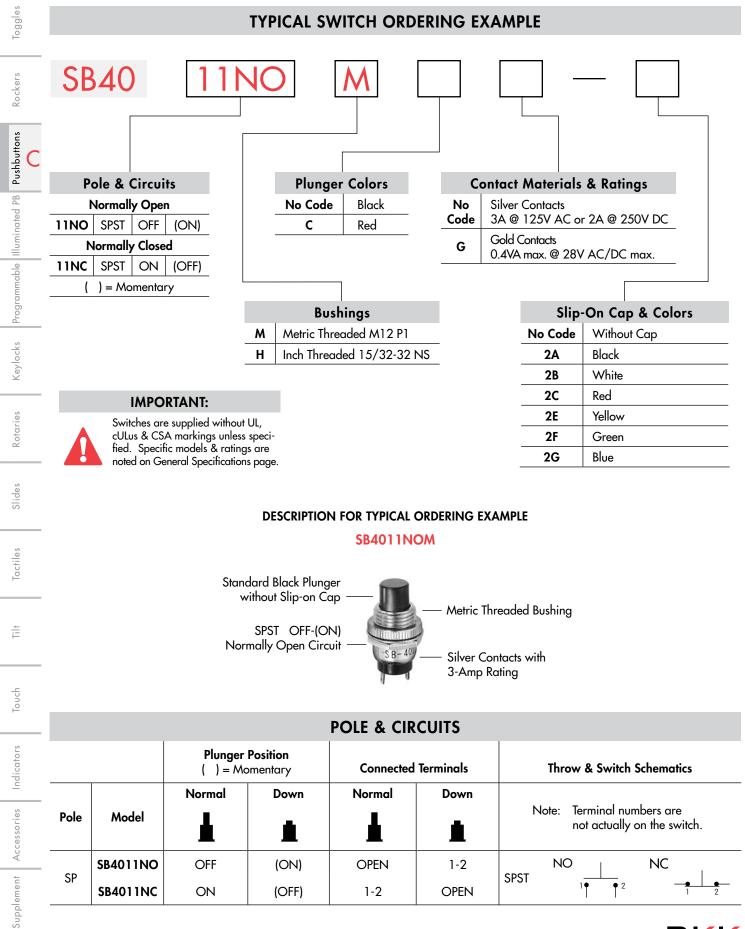
.5 Amp Momentary Pushbuttons



Series FB



Series SB





Series SB

Toggles

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Programmable Illuminated PB Pushbuttons

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Supplement Accessories

TYPICAL SWITCH DIMENSIONS

