

Distinctive Characteristics

Optional caps in different colors to vary appearance as needed.

Low operating force for ease of actuation.

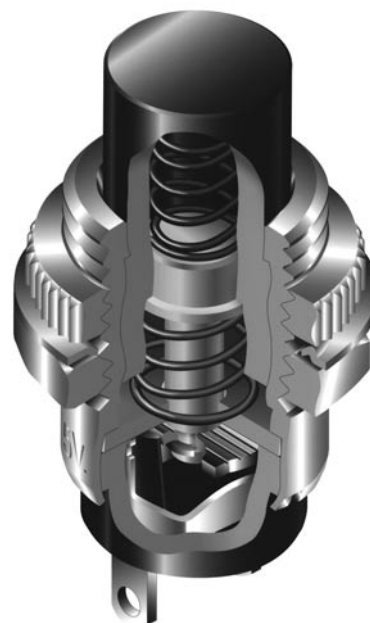
Rear panel bushing mount with compact behind panel dimension.

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

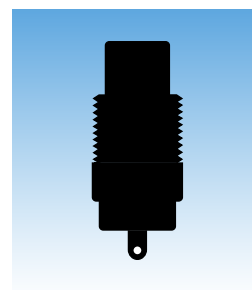
Low cost device of rugged one-piece bushing and housing construction.

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

Epoxy sealed terminals.



Actual Size



General Specifications

Electrical Capacity (Resistive Load)

Power Level: 3A @ 125V AC or 2A @ 250V AC or 2A @ 30V DC for silver
Logic Level: 0.4VA max. @ 28V AC/DC max. for gold
 (Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V)
 Note: Find additional explanation of operating range in Supplement section.

Other Ratings

Contact Resistance: 10 milliohms maximum for silver;
 20 milliohms maximum for gold
Insulation Resistance: 200 megohms minimum @ 500V DC
Dielectric Strength: 1,000V AC minimum between contacts & between contacts & case for 1 minute minimum
Mechanical Life: 30,000 operations minimum
Electrical Life: 10,000 operations minimum
Nominal Operating Force: 4.90N
Travel: Normally Open
 Total Travel .088" (2.24mm)
 Normally Closed
 Total Travel .088" (2.24mm)

Materials & Finishes

Plunger: Phenolic resin
Bushing: Brass with nickel plating
Case: Phenolic resin
Movable Contactor: Copper with silver or gold plating
Stationary Contacts: Copper with silver or gold plating
Terminals: Copper with silver or gold plating

Environmental & Installation Data

Operating Temp Range: -10°C through +70°C (+14°F through +158°F)
Soldering Time & Temperature: Manual Soldering:
 See Profile A in Supplement section.

Standards & Certifications



UL Recognized: Models rated 3A @ 125V AC & 2A @ 250V AC.
 Single pole: Momentary action circuit with solder lug terminations.
 UL File Number: WOYR2.E44145; add "/U" to end of part number to order UL mark on switch.



C-UL Recognized: Models rated 3A @ 125V AC & 2A @ 250V AC. Single pole: Momentary action circuit with solder lug terminations. C-UL File Number: WOYR8.E44145; add "/C-UL" to end of part number to order C-UL mark on switch.



CSA Certified: Models rated 3A @ 125V AC & 2A @ 250V AC. Single pole: Momentary action circuit with solder lug terminations. CSA File Number: 023535-0-000; add "/C" to end of part number to order CSA mark on switch.

TYPICAL SWITCH ORDERING EXAMPLE

SB40 **11NO** **M**

POLE & CIRCUITS

Normally Open			
11NO	SPST	OFF	(ON)
Normally Closed			
11NC	SPST	ON	(OFF)

() = Momentary

PLUNGER COLORS

No Code	Black
C	Red

CONTACT MATERIALS & RATINGS

No Code	Silver Contacts
	3A @ 125V AC or 2A @ 250V DC
G	Gold Contacts
	0.4VA max. @ 28V AC/DC max.

BUSHINGS

M	Metric Threaded M12 P1
H	Inch Threaded 15/32-32 NS

SLIP-ON CAP & COLORS

No Code	Without Cap
2A	Black
2B	White
2C	Red
2E	Yellow
2F	Green
2G	Blue

IMPORTANT:

Switches are supplied without UL, C-UL & CSA markings unless specified. Specific models & ratings are noted on General Specifications page.

DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

SB4011NOM



POLE & CIRCUITS

		Plunger Position () = Momentary		Connected Terminals		Throw & Switch Schematics
Pole	Model	Normal	Down	Normal	Down	Note: Terminal numbers are not actually on the switch.
SP	SB4011NO	OFF	(ON)	OPEN	1-2	SPST NO 2 NC 2
	SB4011NC	ON	(OFF)	1-2	OPEN	

TYPICAL SWITCH DIMENSIONS

Metric Bushing

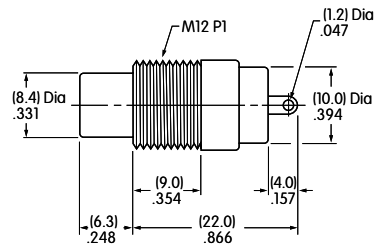
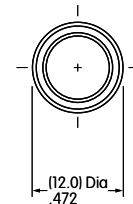


SB4011NOM

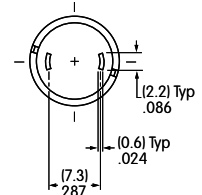
Hardware provided:
 1 AT504 Knurled Face Nut
 1 AT508 Lockwasher
 1 AT527M Hex Mounting Nut

Details in Hardware &
 Accessories section.

SB4011NOM

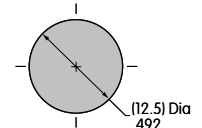
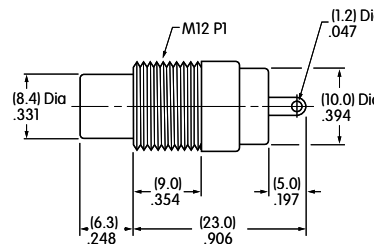
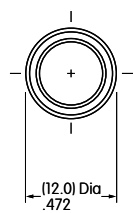


Metric Bushing



Panel Thickness:
 .157" (4.0mm)

SB4011NCM



Inch Bushing

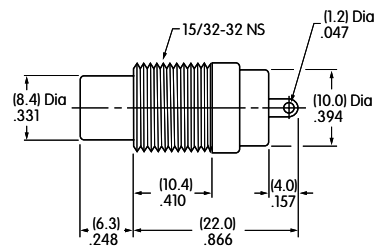
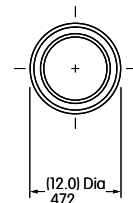


SB4011NCH

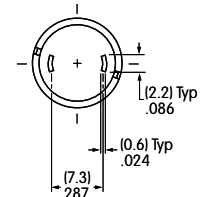
Hardware provided:
 2 AT503H Hex Mounting Nuts
 1 AT508 Lockwasher

Details in Hardware &
 Accessories section.

SB4011NOH



Inch Bushing



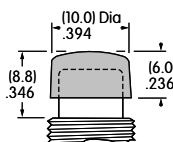
Panel Thickness:
 .157" (4.0mm)

SB4011NCH

SLIP-ON CAP & COLORS

AT422
.394" (10.0mm) Diameter Cap

Material: Polyethylene
 Finish: Matte



2A

Black

2C

Red

2F

Green

2B

White

2E

Yellow

2G

Blue