



# Series SB40

Momentary Pushbutton Switches

## TYPICAL SWITCH ORDERING EXAMPLE

**SB40**

**11NO**

**M**



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POLES & CIRCUITS			
11NO	SPST	OFF	(ON)
11NC	SPST	ON	(OFF)
( ) = Momentary			

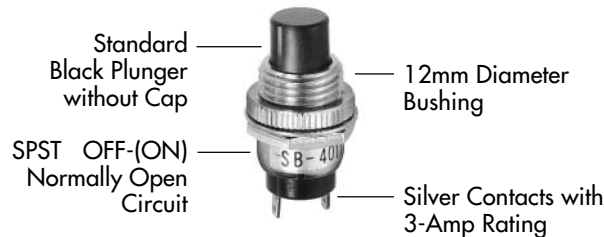
PLUNGER COLORS	
No Code	Black
C	Red

CONTACT MATERIALS & RATINGS	
No Code	Silver 3A @ 125 V AC or 2A @ 30V DC
G	Gold 0.4VA max. @ 28V max.

BUSHING	
M	Metric 12mm Dia.

### DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

**SB4011NOM**



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

**IMPORTANT:**  
Switches are supplied without UL & CSA marking unless specified. Specific models & ratings noted on Engineering Particulars page.

### ■ Dimensions

## GENERAL SPECIFICATIONS

### Electrical Capacity (Resistive Load)

**Power Level:** 3A @ 125V AC or 2A @ 250V AC for silver  
**Logic Level:** 0.4VA maximum @ 28V AC/DC maximum for gold  
 Note: See Supplement Index (page Z1) to find explanation of operating range.

### 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  
**Mechanical Life:** 30,000 operations minimum  
**Electrical Life:** 10,000 operations minimum  
**Nominal Operating Force:** 500 grams  
**Travel:** 0.79mm (.031") pretravel; 1.45mm (.057") overtravel; 2.24mm (.088") total travel for SB4011NO  
 0.64mm (.025") pretravel; 1.60mm (.063") overtravel; 2.24mm (.088") total travel for SB4011NC

### Materials & Finishes

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

### Environmental & Installation Data

**Operating Temp Range:** -10°C through +70°C (+14°F through +158°F)  
**Soldering Time & Temperature:** 3 seconds @ 350°C or 5 seconds @ 270°C



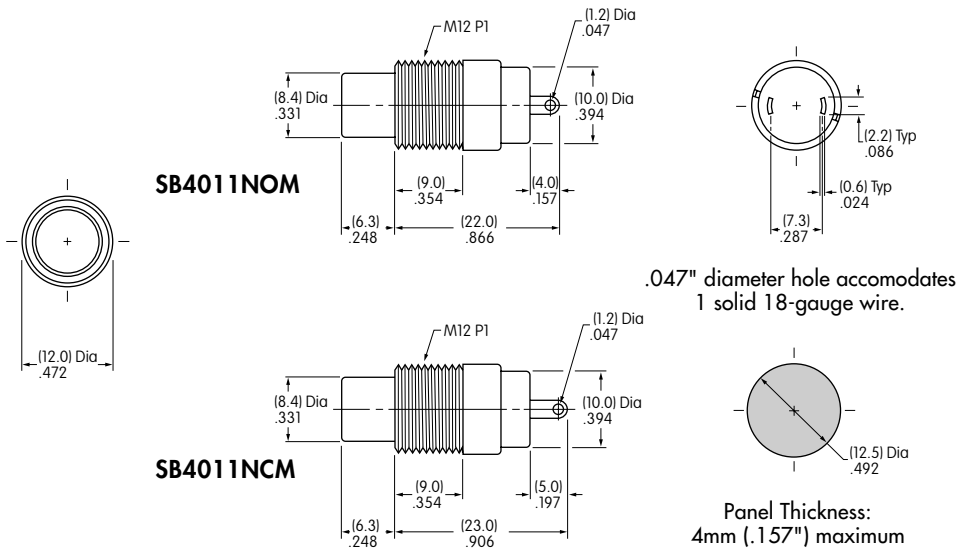
# Series SB40

Momentary Pushbutton Switches

## POLES & CIRCUITS

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

## TYPICAL SWITCH DIMENSIONS



Metric Bushing • Black Plunger



SB4011NOM

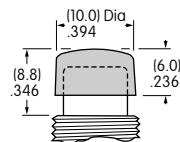
Hardware provided:  
 1 AT504 Knurled Face Nut;  
 1 AT508 Lockwasher;  
 1 AT527M Hex Mounting Nut

[Details in Hardware & Accessories](#)

## OPTIONAL SLIP-ON CAP & COLORS

AT422 10mm Diameter Cap

Material: Polyethylene  
 Finish: Matte



<b>2A</b>	Black	<b>2C</b>	Red	<b>2F</b>	Green
<b>2B</b>	White	<b>2E</b>	Yellow	<b>2G</b>	Blue