

## GENERAL SPECIFICATIONS

### Electrical Capacity

**Resistive Load:** 15A & ½ HP @ 125 or 250V AC for high capacity models  
**Lamp Load:** 5A @ 125V AC

### Other Ratings

**Contact Resistance:** 15 milliohms maximum  
**Insulation Resistance:** 100 megohms minimum @ 500V DC  
**Dielectric Strength:** 1,000V AC minimum between contacts for 1 minute minimum;  
 1,500V AC minimum between contacts & case for 1 minute minimum  
**Mechanical Life:** 1,000,000 operations minimum  
**Electrical Life:** 50,000 operations minimum  
**Travel:** Pretravel .047" (1.19mm); Overtravel .040" (1.01mm); Differential .011" (0.27mm)  
**Operating Temp Range:** -40°C through +85°C (-40°F through +185°F)

### Materials & Finishes

**Caps & Shrouds:** Polycarbonate with glossy finish or PBT  
**Plunger:** Polyacetal or brass with nickel plating  
**Bushing:** Steel with zinc plating or glass fiber reinforced polyamide  
**Case:** Polyester  
**Movable & Stationary Contacts:** Silver alloy  
**Terminals:** Brass with silver plating

### Standards & Certifications

**UL:** Internal snap switch is UL recognized.  
**CSA:** Internal snap switch is CSA certified.

## TYPICAL SWITCH ORDERING EXAMPLE

SCB

2

5

P

15

A

—

4

CA

**Poles**

|   |      |
|---|------|
| 1 | SPDT |
| 2 | DPDT |

**Circuits**

|   |    |      |
|---|----|------|
| 5 | ON | (ON) |
| 6 | ON | ON   |

( ) = Momentary

**Bushings**

|   |                               |
|---|-------------------------------|
| P | Plastic (with momentary only) |
| S | Steel                         |

**Rating**

|    |     |
|----|-----|
| 15 | 15A |
|----|-----|

**Terminals**

|     |                              |
|-----|------------------------------|
| A   | .187" (4.75mm) Quick Connect |
| * B | .250" (6.35mm) Quick Connect |

Note: Contact factory for availability of screw lug and solder lug models.

\* Available in Americas only

**Caps & Shrouds**

**For Momentary**

|   |                             |
|---|-----------------------------|
| 3 | .520" (13.2mm) Diameter Cap |
|---|-----------------------------|

**For Momentary & Alternate Action**

|   |                                          |
|---|------------------------------------------|
| 4 | Round Cap & Shroud (AT454 & AT455)       |
| 5 | Rectangular Cap & Shroud (AT452 & AT453) |

**DESCRIPTION FOR TYPICAL ORDERING EXAMPLE**

**SCB25P15A-4CA**

Round Red Cap with Black Shroud

Plastic Bushing

DPDT ON-(ON) Circuit

15A Rating

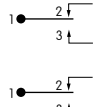
.187" (4.75mm) Quick Connect Terminals

**Colors**

| Caps |       | Shrouds |
|------|-------|---------|
| A    | Black | A       |
| B    | White | B       |
| C    | Red   | —       |
| F    | Green | —       |
| G    | Blue  | —       |
| H    | Gray  | H       |

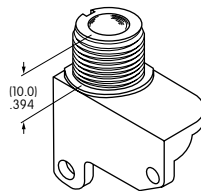
Note: Standard hardware is provided with caps. See Bushing detail for more information.

### POLES & CIRCUITS

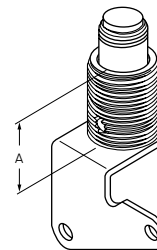
|      |                | Plunger Position<br>( ) = Momentary                                                         |                                                                                           | Connected Terminals                                                                         |                                                                                            | Throw & Schematics                                                                                     |
|------|----------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Pole | Model          | Normal<br> | Down<br> | Normal<br> | Down<br> | Note: Terminal numbers are actually on the switch.                                                     |
| SP   | SCB15<br>SCB16 | ON<br>ON                                                                                    | (ON)<br>ON                                                                                | 1-2                                                                                         | 1-3                                                                                        | SPDT                |
| DP   | SCB25<br>SCB26 | ON<br>ON                                                                                    | (ON)<br>ON                                                                                | 1-2 1-2                                                                                     | 1-3 1-3                                                                                    | SP with 2 switches  |

### BUSHINGS

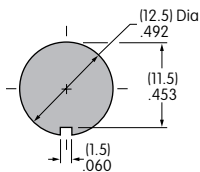
**P** Plastic  
(for Momentary only)



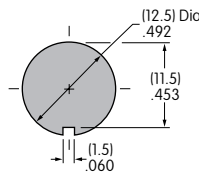
**S** Steel



"A" =  
11.2mm  
Momentary  
15.5mm  
Alternate Action



Maximum Effective Panel Thickness:  
.165" (4.2mm) without Shroud  
.157" (4.0mm) with Shroud



Maximum Effective Panel Thickness:  
Momentary: .177" (4.5mm) without Shroud  
.157" (4.0mm) with Shroud  
Alternate Action: .354" (9.0mm)

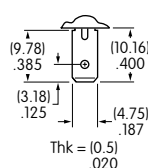
### Standard Hardware Provided with Caps

Cap Option 3: AT504M Knurled Face Nut, AT508 Lockwasher, AT527M Hex Mounting Nut

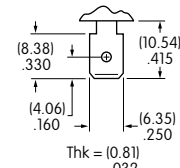
Cap Options 4 & 5: AT508 Lockwasher & AT527M Hex Mounting Nut

### TERMINALS

**A** .187" (4.75mm)  
Quick Connect

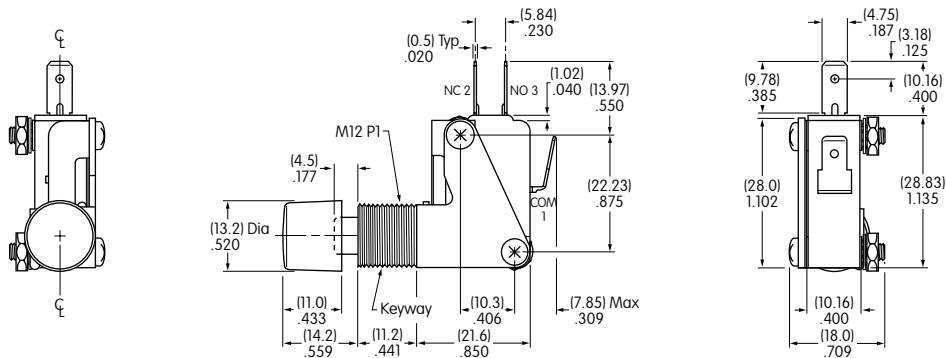


**B** .250" (6.35mm)  
Quick Connect



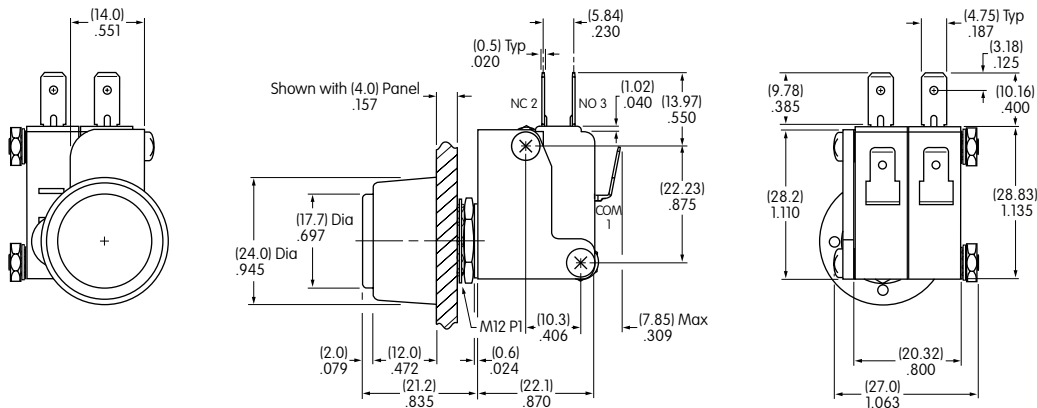
## TYPICAL SWITCH DIMENSIONS

### .520" (13.2mm) Dia. Cap • .187" (4.75mm) Quick Connect



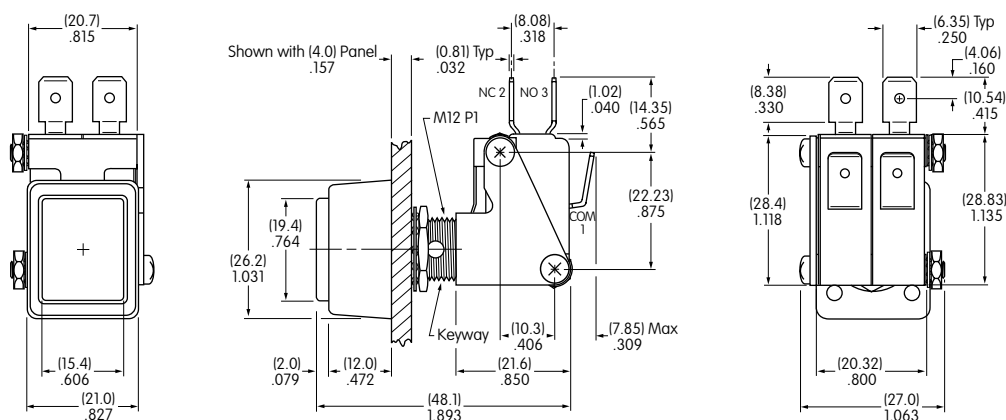
SCB15S15A-3C

### Round Cap & Shroud • .187" (4.75mm) Quick Connect



SCB25P15A-4CA

### Rectangular Cap & Shroud • .250" (6.35mm) Quick Connect



SCB26S15B-5CA