

## SERIES 34A

### Miniature Toggle Switches

#### FEATURES

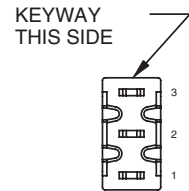
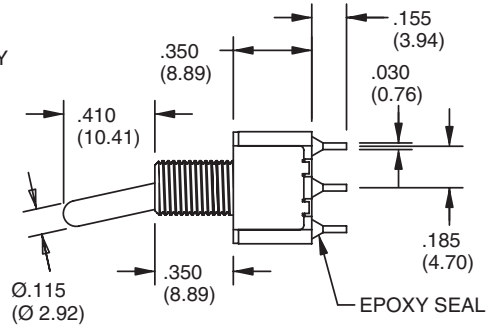
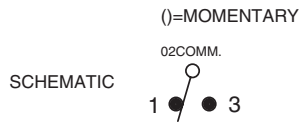
- Save Space and Weight
- SPDT, DPDT, 3PDT, and 4PDT Circuitry
- Choice of Actuators, Bushings and Terminations
- UL Recognized



#### MODELS In inches (and millimeters)

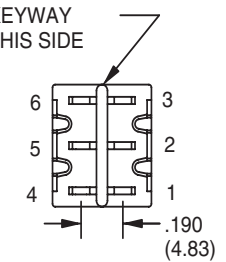
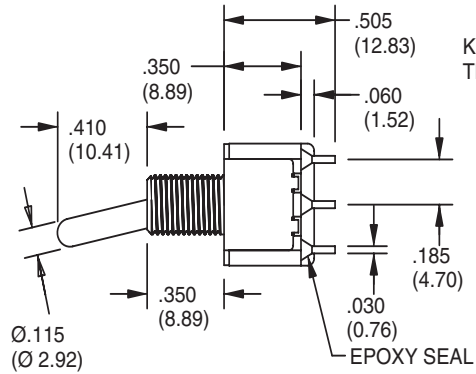
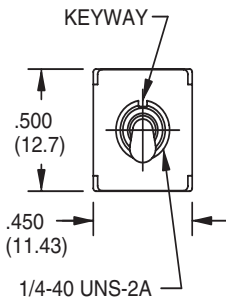
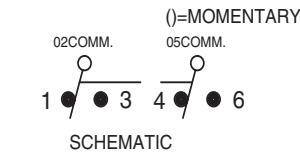
##### SPDT

| MODEL NO.   | SWITCH POSITION |           |     |
|-------------|-----------------|-----------|-----|
| SP1         | ON              | NONE      | ON  |
| SP2         | ON              | NONE (ON) |     |
| SP3         | ON              | OFF       | ON  |
| SP4         | (ON)            | OFF (ON)  |     |
| SP5         | ON              | OFF (ON)  |     |
| TERM. COMM. | 2-3             | OPEN      | 2-1 |



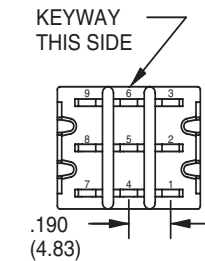
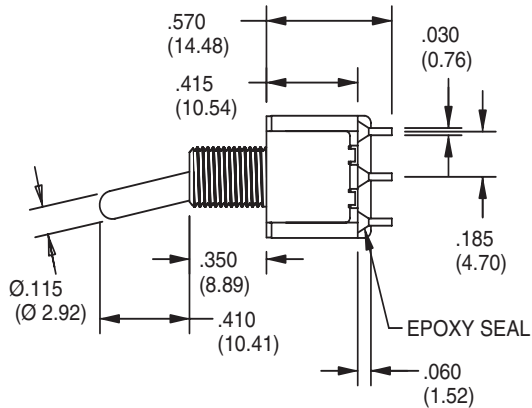
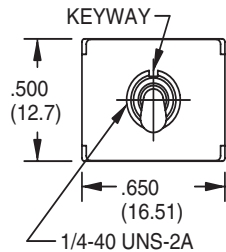
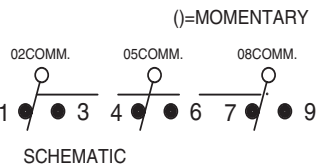
##### DPDT

| MODEL NO.   | SWITCH POSITION |           |          |
|-------------|-----------------|-----------|----------|
| DP1         | ON              | NONE      | ON       |
| DP2         | ON              | NONE (ON) |          |
| DP3         | ON              | OFF       | ON       |
| DP4         | (ON)            | OFF (ON)  |          |
| DP5         | ON              | OFF (ON)  |          |
| TERM. COMM. | 2-3, 5-6        | OPEN      | 2-1, 5-4 |



##### 3PDT

| MODEL NO.   | SWITCH POSITION |           |              |
|-------------|-----------------|-----------|--------------|
| 3P1         | ON              | NONE      | ON           |
| 3P2         | ON              | NONE (ON) |              |
| 3P3         | ON              | OFF       | ON           |
| 3P4         | (ON)            | OFF (ON)  |              |
| 3P5         | ON              | OFF (ON)  |              |
| TERM. COMM. | 2-3,5-6, 8-9    | OPEN      | 2-1,5-4, 8-7 |



## MODELS In inches (and millimeters)



## ACTUATOR OPTIONS In inches (and millimeters)



Actuators 1-5 shown with standard B1 bushing. Add .070 (1.78) for B3, subtract .020 (0.51) for B6 bushing.

## BUSHING OPTIONS In inches (and millimeters)

|                                                                                    |                                                                              |                                                              |                                                             |                                      |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------|
| <div><div>B1</div><div>B2</div></div> <div>Thd (Std)<br/>Non-Thd</div> <div></div> | <div><div>B3</div><div>B4</div></div> <div>Thd<br/>Non-Thd</div> <div></div> | <div><div>B5</div></div> <div>High Torque</div> <div></div>  | <div><div>B6</div></div> <div>High Torque</div> <div></div> |                                      |
| <div><div>B7</div></div> <div>Long</div> <div></div>                               | <div><div>B8</div></div> <div>Metric</div> <div></div>                       | <div><div>B9</div></div> <div>Splash-Proof</div> <div></div> |                                                             |                                      |
| <div><div>T1</div></div> <div></div>                                               | <div><div>T2</div></div> <div></div>                                         | <div><div>T5</div></div> <div></div>                         | <div><div>T6</div></div> <div></div>                        | <div><div>T7</div></div> <div></div> |

## PANEL MOUNTING In inches (and millimeters)

|                           |
|---------------------------|
| <b>1/4" BUSHING</b><br>   |
| <b>15/32" BUSHING</b><br> |
| <b>METRIC BUSHING</b><br> |

# TERMINATION OPTIONS In inches (and millimeters)



TERMINATION OPTIONS In inches (and millimeters)

**M7** Right Angle P.C. Mount, Vertical Actuation



**V2-V3** Vertical Bracket P.C. Mount



## SPECIFICATIONS RATINGS

Contact Rating: Q option - 5A with resistive load @ 125VAC or 28 VDC; 2A with resistive load @ 250 VAC. R option-0.4 VA max @ 20 Vmax (AC or DC)  
Electrical Life: 40,000 make-and-break cycles at full load

Contact Resistance: 10 milliohms max. initial @ 2-4 VDC, 100 mA for both gold & silver contacts  
Insulation Resistance: 1,000 megaohms minimum  
Dielectric Strength: 1,000 V RMS @ sea level  
Operating Temperature: -30°C to 85°C  
UL Recognition: File number is E35289

## MATERIALS

Case: Diallyl phthalate (DAP) (UL94V-0)  
Toggle Handle: Brass, chrome-plated  
Bushing: Brass, nickel-plated  
Housing: Stainless steel

## ORDERING INFORMATION

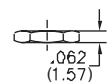
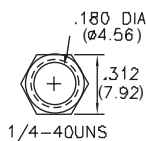


Available from your local Grayhill Component Distributor. For prices and discounts, contact a local Sales Office, an authorized local Distributor or Grayhill.

## HARDWARE In inches (and millimeters)

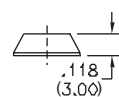
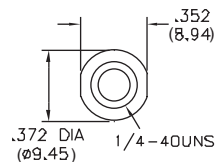
### NUTS

#### Series 34A (Std)



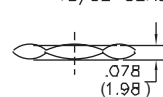
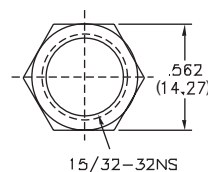
HDW2

#### Dress Nut



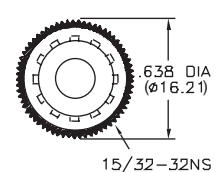
HDW3

#### For Actuator Options 7, 8 (Std)



HDW4

#### Knurled Nut (Sealed)



HDW5

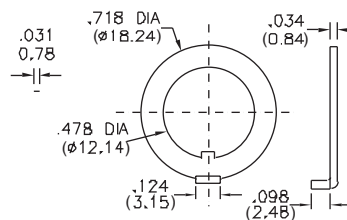
### LOCKING RINGS

#### Series 34A (Std)



HDW15

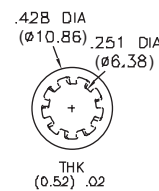
#### For Actuator Options 7, 8



HDW17

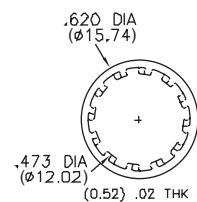
### LOCK WASHERS

#### Series 34A (Std)



HDW11

#### For Actuator Options 7, 8



HDW12