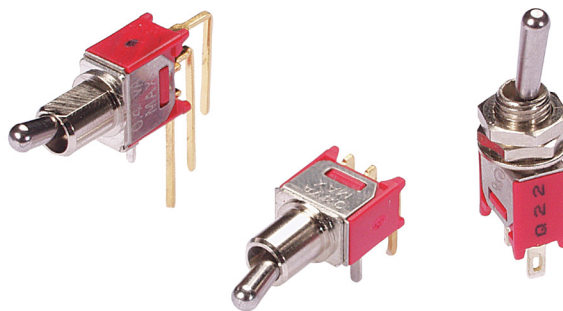




SERIES 34C Sub-Miniature Toggle Switches

FEATURES

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



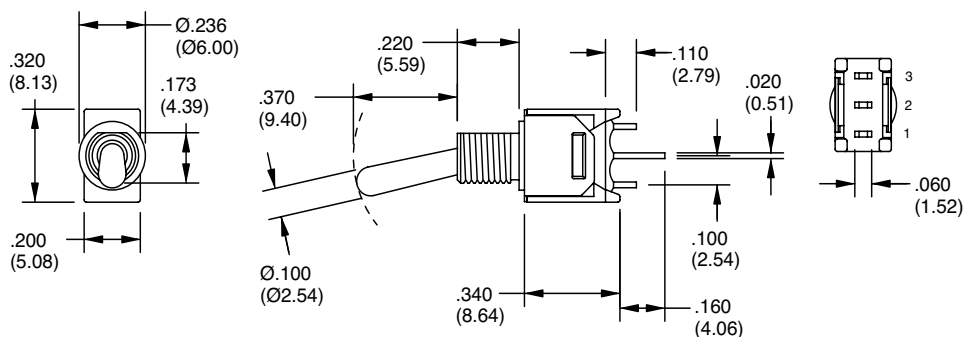
MODELS in inches (and millimeters)

SPDT

MODEL NO.	SWITCH POSITION		
MSP1	ON	NONE	ON
MSP2	ON	NONE	(ON)
MSP3	ON	OFF	ON
MSP4	(ON)	OFF	(ON)
MSP5	ON	OFF	(ON)
TERM. COMM.	2-3	OPEN	2-1

()=MOMENTARY

SCHEMATIC

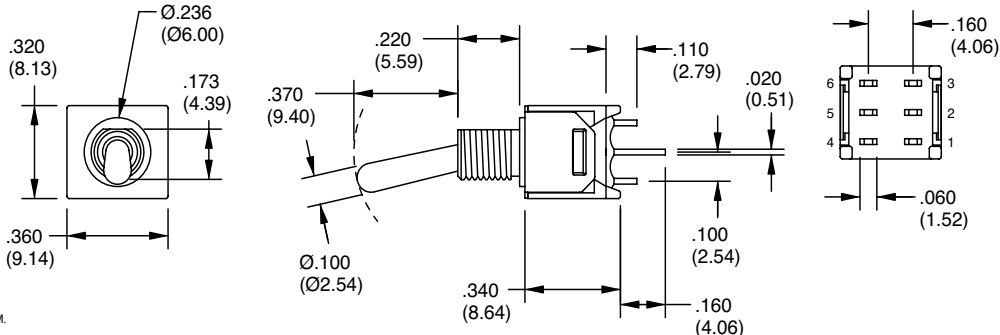
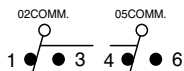


DPDT

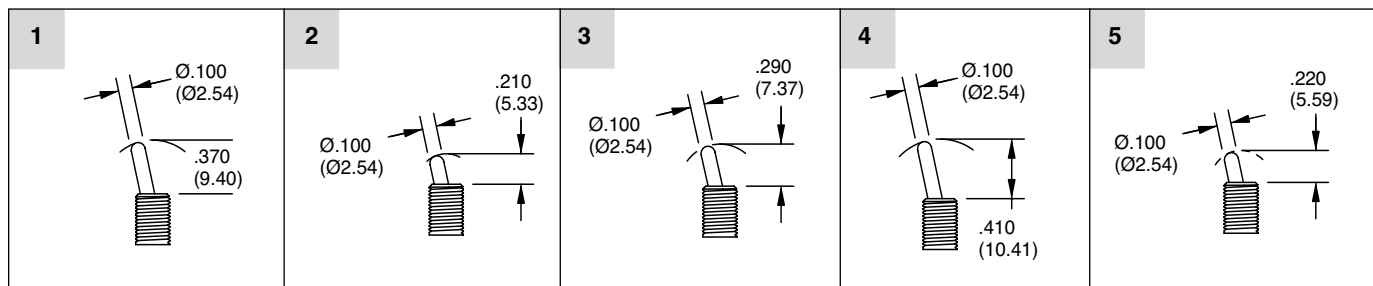
MODEL NO.	SWITCH POSITION		
MDP1	ON	NONE	ON
MDP2	ON	NONE	(ON)
MDP3	ON	OFF	ON
MDP4	(ON)	OFF	(ON)
MDP5	ON	OFF	(ON)
TERM. COMM.	2-3, 5-6	OPEN	2-1, 5-4

()=MOMENTARY

SCHEMATIC



ACTUATOR OPTIONS in inches (and millimeters)



Actuator options 1, 2 and 3 shown with B1 to B4 bushing, subtract 0.90 (2.29) for bushing B5, subtract 0.40 (1.02) for bushing B7. Actuators 4 and 5 shown with B5 and B6 bushing, add 0.90 (2.29) for bushing B1 to B3, add 0.50 (1.27) for bushing B7.



B1 B2	Thd (Std) Non-Thd		B3 B4	Thd (Std) Non-Thd	
B5 B6	Thd (Std) Non-Thd		B7 B8	Thd (Std) Non-Thd	

The image contains four technical drawings of bushings, arranged in two pairs. The left pair is for a 10-48 Bushing, and the right pair is for a 1/4" Bushing. Each pair shows the bushing 'WITHOUT LOCKING RING' and 'WITH STD. LOCKING RING'.

- 10-48 Bushing (Left):**
 - WITHOUT LOCKING RING:** Shows a bushing with a central hole of diameter $\varnothing.195$ ($\varnothing4.95$). The hole has a depth of $.023$ (0.58). The bushing has an outer diameter of $.179$ (4.55) and a thickness of $.010$ (0.25).
 - WITH STD. LOCKING RING:** Shows the bushing with a standard locking ring. The hole diameter is $\varnothing.195$ ($\varnothing4.95$). The hole depth is $.240$ (6.10). The bushing has an outer diameter of $\varnothing.094$ ($\varnothing2.38$) and a thickness of $.010$ (0.25).
- 1/4" Bushing (Right):**
 - WITHOUT LOCKING RING:** Shows a bushing with a central hole of diameter $\varnothing.250$ ($\varnothing6.35$). The hole has a depth of $.023$ (0.58). The bushing has an outer diameter of $.234$ (5.94) and a thickness of $.033$ (0.85).
 - WITH STD. LOCKING RING:** Shows the bushing with a standard locking ring. The hole diameter is $\varnothing.250$ ($\varnothing6.35$). The hole depth is $.240$ (6.10). The bushing has an outer diameter of $\varnothing.094$ ($\varnothing2.38$) and a thickness of $.022$ (0.55).

M1 Solder Lug

Top View Dimensions: .060 (1.52), .110 (2.79), .160 (4.06), .060 (1.52), .030 (0.76), THK. .020 (0.51) **SP**

Side View Dimensions: .160 (4.06), .110 (2.79), .060 (1.52), .160 (4.06), EPOXY SEAL, .030 (0.76), THK. .020 (0.51) **DP**

M2 P.C. Mount (Std)

Top View Dimensions: .130 (3.30), .030 (0.76), THK. .020 (0.51) **SP**

Side View Dimensions: .130 (3.30), .030 (0.76), THK. .020 (0.51) **DP**

M1 Right Angle P.C. Mount, Horizontal Actuation

Top View Dimensions: .320 (8.13), .194 (4.93), .020 (0.51), .130 (3.30), .016 (0.41), .030 (0.76), .200 (5.08), .158 (4.01), .200 (5.08), EPOXY SEAL

Side View Dimensions: .100 (2.54), .020 (0.51), .030 (0.76), .200 (5.08), .016 (0.41), .158 (4.01), .200 (5.08), EPOXY SEAL

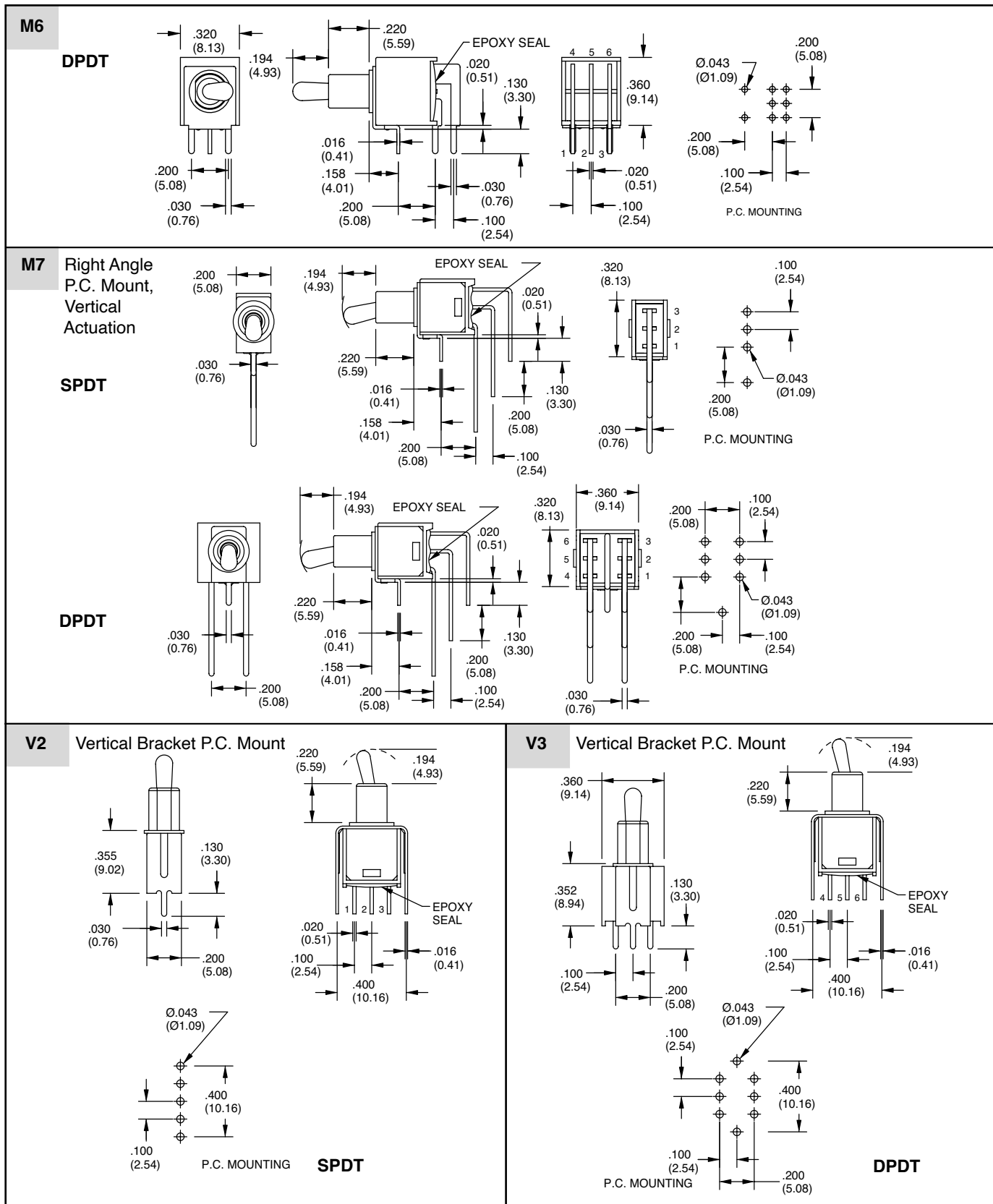
M2 Right Angle P.C. Mount, Vertical Actuation

Top View Dimensions: .200 (5.08), .100 (2.54), .020 (0.51), .030 (0.76), .200 (5.08), EPOXY SEAL

Side View Dimensions: .100 (2.54), .020 (0.51), .030 (0.76), .200 (5.08), EPOXY SEAL



TERMINATION OPTIONS in inches (and millimeters)





SPECIFICATIONS

RATINGS

Contact Rating: Q option - 3A with resistive load @ 125VAC or 28 VDC; 1.5A with resistive load @ 250 VAC. R option-0.4 VA max @ 20 Vmax (AC or DC)

Electrical Life: 30,000 make-and-break cycles at full load

Contact Resistance: 10 milliohms max. initial @ 2-4 VDC, 100 mA

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) (UL 94V-0)

Toggle Handle: Brass, chrome plated

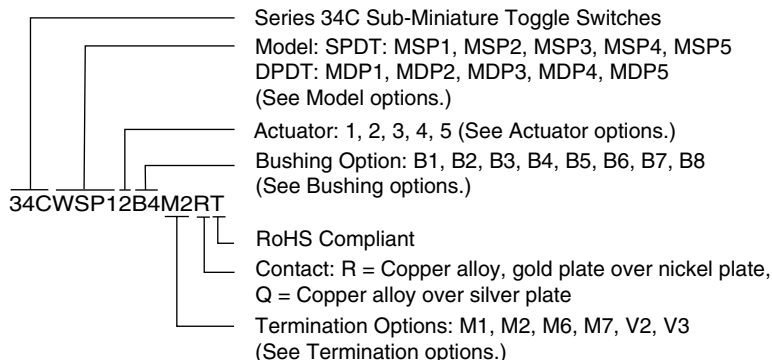
Bushing: Brass, nickel plated

Housing: Stainless steel

Terminal/Switch Support: Brass, electroin plated

Terminal Seal: Epoxy

ORDERING INFORMATION

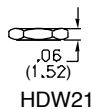
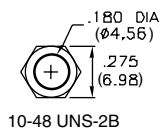


Available from your local Grayhill Component Distributor.

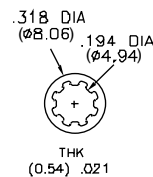
For prices and discounts, contact a local Sales Office, an authorized local Distributor or Grayhill.

HARDWARE in inches (and millimeters)

NUT



LOCK WASHER



HDW22