

## SERIES 47A

### Miniature Rocker and Paddle Switches

#### FEATURES

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



#### MODELS In inches (and millimeters)

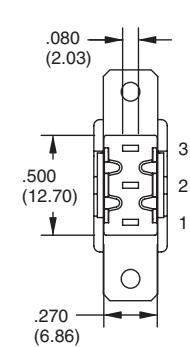
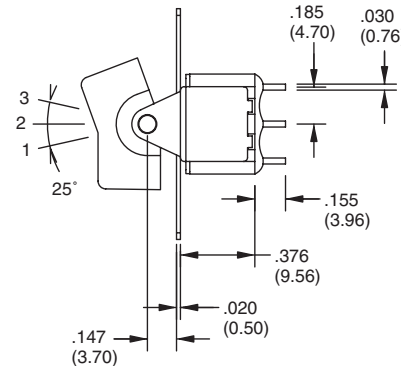
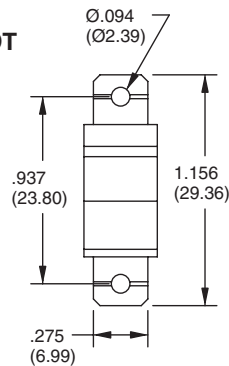
| MODEL NO.   | SWITCH POSITION |      |      |
|-------------|-----------------|------|------|
|             |                 |      |      |
| SP1         | ON              | NONE | ON   |
| SP2         | ON              | NONE | (ON) |
| SP3         | ON              | OFF  | ON   |
| SP4       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

( )=MOMENTARY  
02COMM.

SCHEMATIC

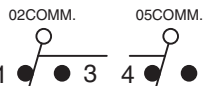


#### SPDT



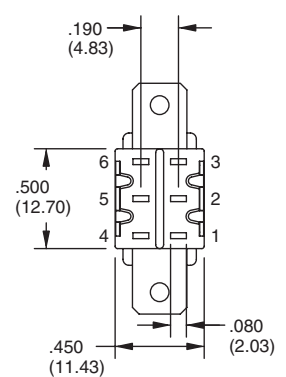
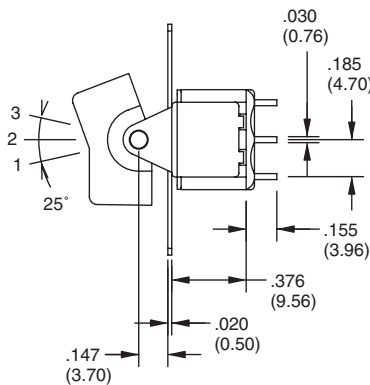
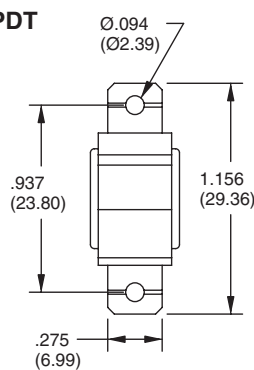
| MODEL NO.   | SWITCH POSITION |      |         |
|-------------|-----------------|------|---------|
|             |                 |      |         |
| DP1         | ON              | NONE | ON      |
| DP2         | ON              | NONE | (ON)    |
| DP3         | ON              | OFF  | ON  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

( )=MOMENTARY



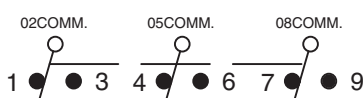
SCHEMATIC

#### DPDT



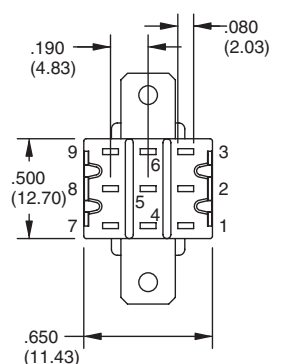
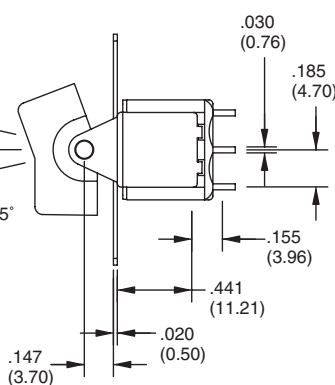
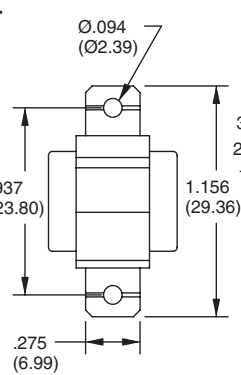
| MODEL NO.   | SWITCH POSITION |      |         |
|-------------|-----------------|------|---------|
|             |                 |      |         |
| 3P1         | ON              | NONE | ON      |
| 3P2         | ON              | NONE | (ON)    |
| 3P3         | ON              | OFF  | ON  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

( )=MOMENTARY

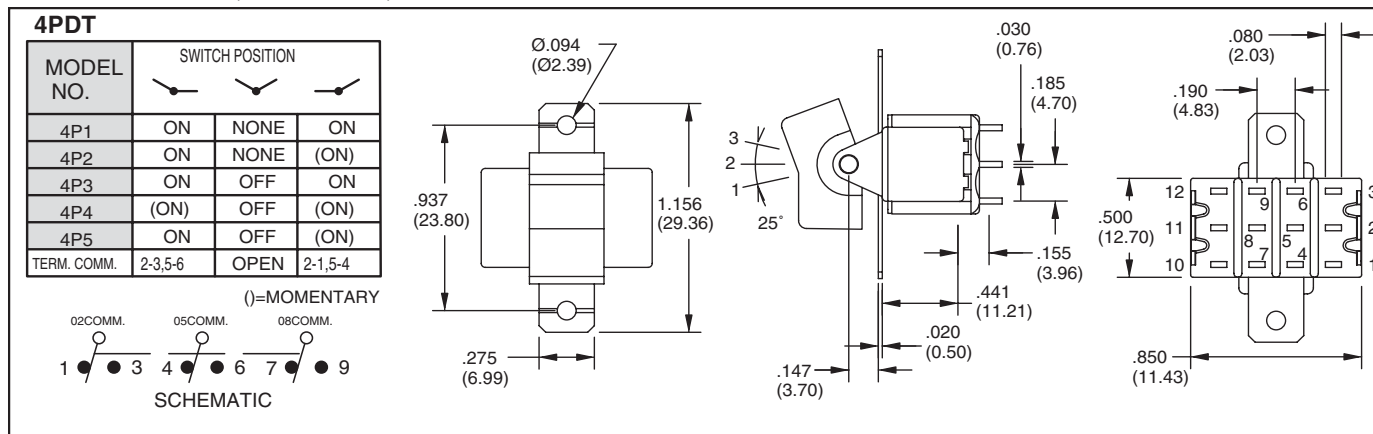


SCHEMATIC

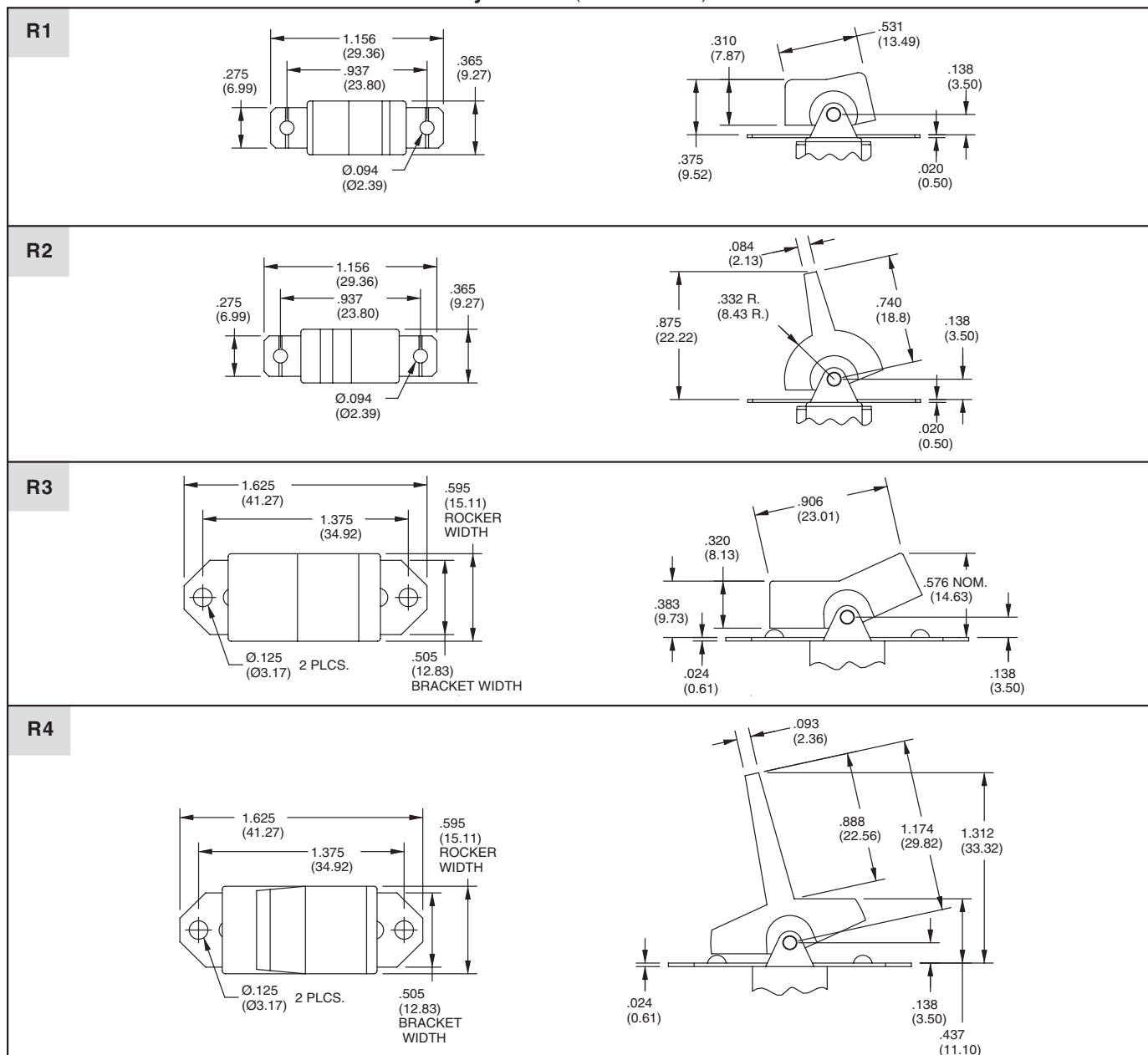
#### 3PDT

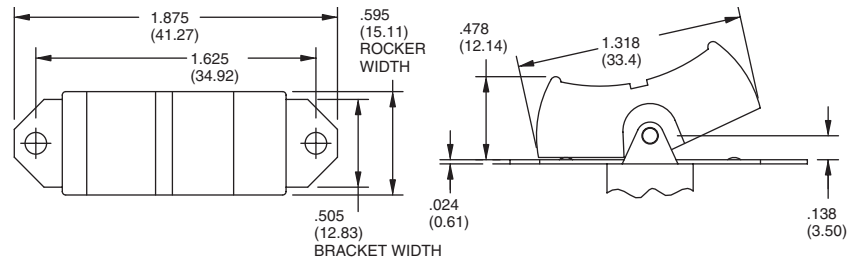
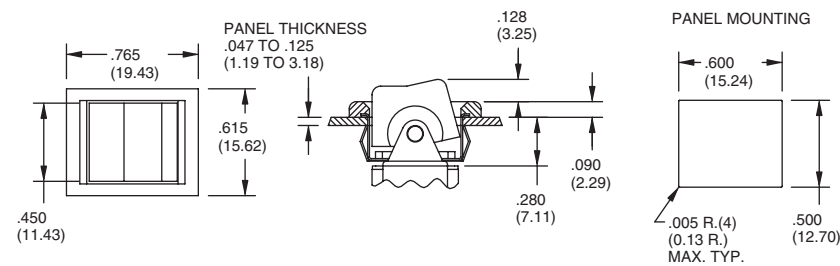
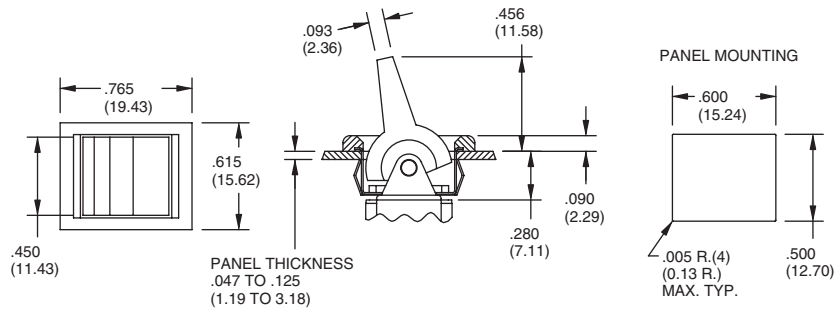
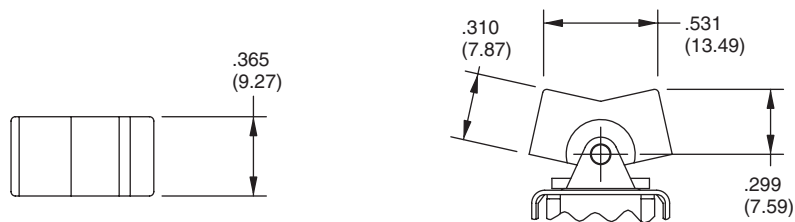
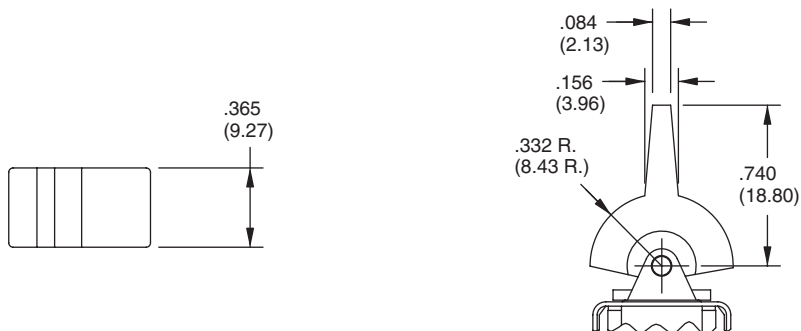


## MODELS In inches (and millimeters)

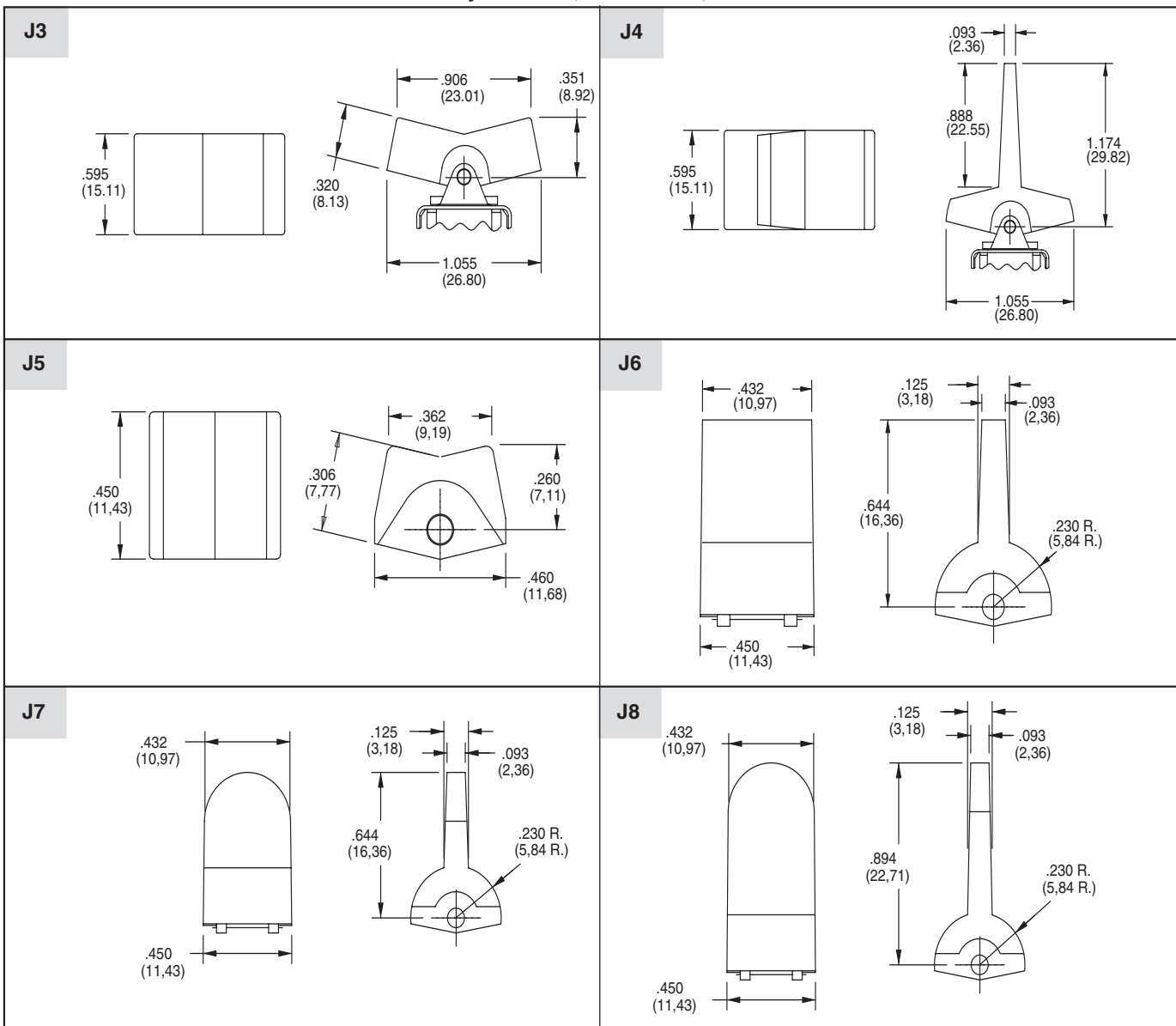


## ACTUATOR OPTIONS: For Panel Mount Only In inches (and millimeters)

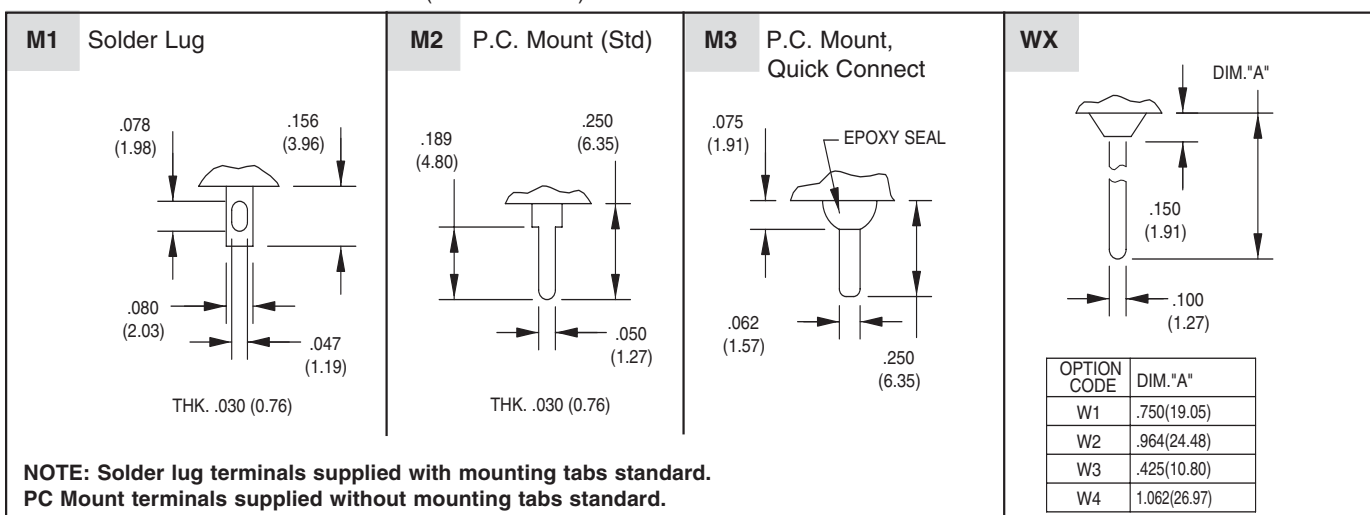


**ACTUATOR OPTIONS: For Panel Rear Mount Only** In inches (and millimeters)**R5****R6****R7****ACTUATOR OPTIONS: For P.C. Mount Only** In inches (and millimeters)**J1****J2**

## ACTUATOR OPTIONS: For P.C. Mount Only In inches (and millimeters)



## TERMINATION OPTIONS In inches (and millimeters)

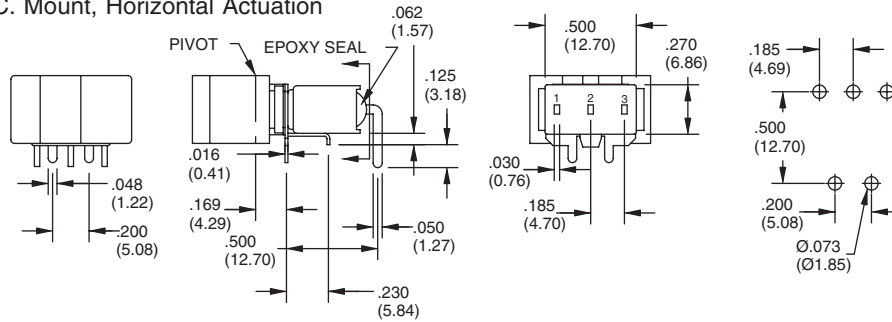


**NOTE: Solder lug terminals supplied with mounting tabs standard.  
PC Mount terminals supplied without mounting tabs standard.**

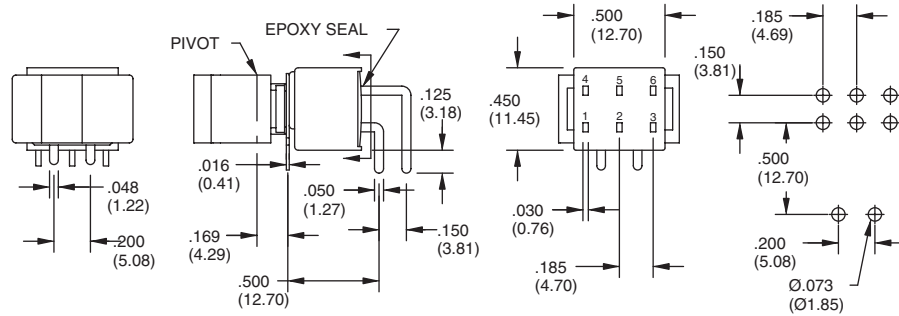
## TERMINATION OPTIONS In inches (and millimeters)

## M6 Right Angle P.C. Mount, Horizontal Actuation

SPDT

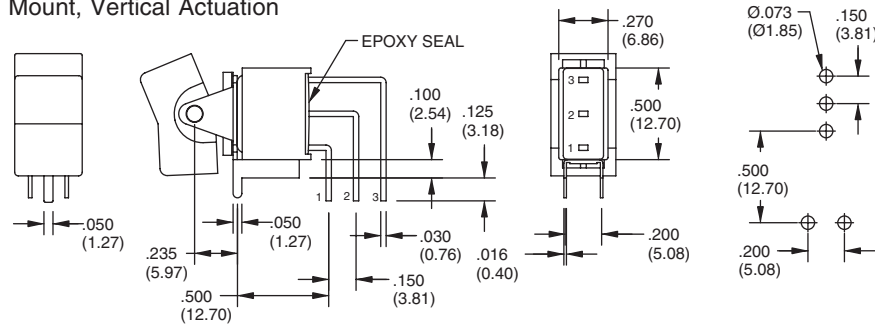


DPDT

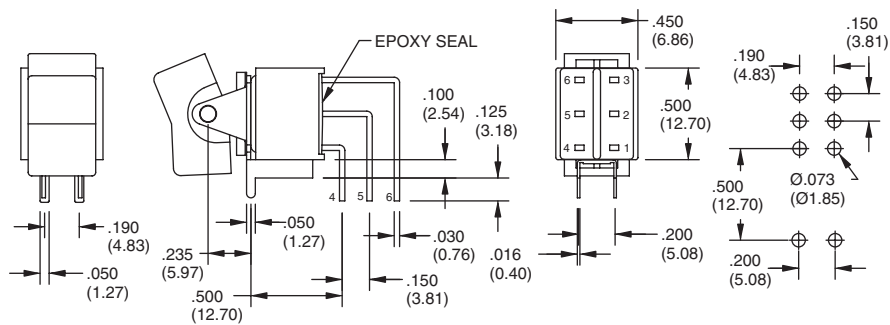


## M7 Right Angle P.C. Mount, Vertical Actuation

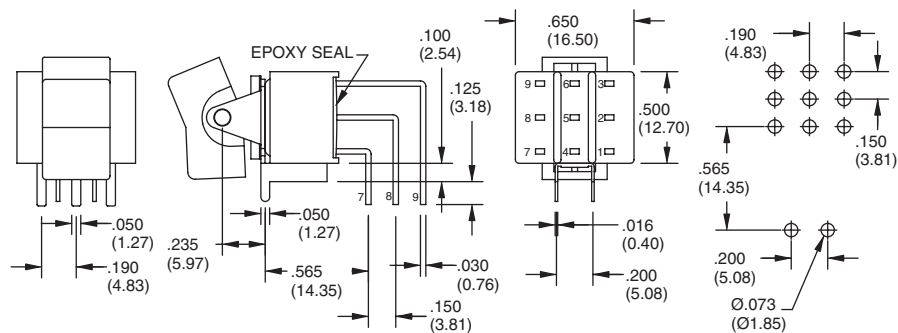
SPDT



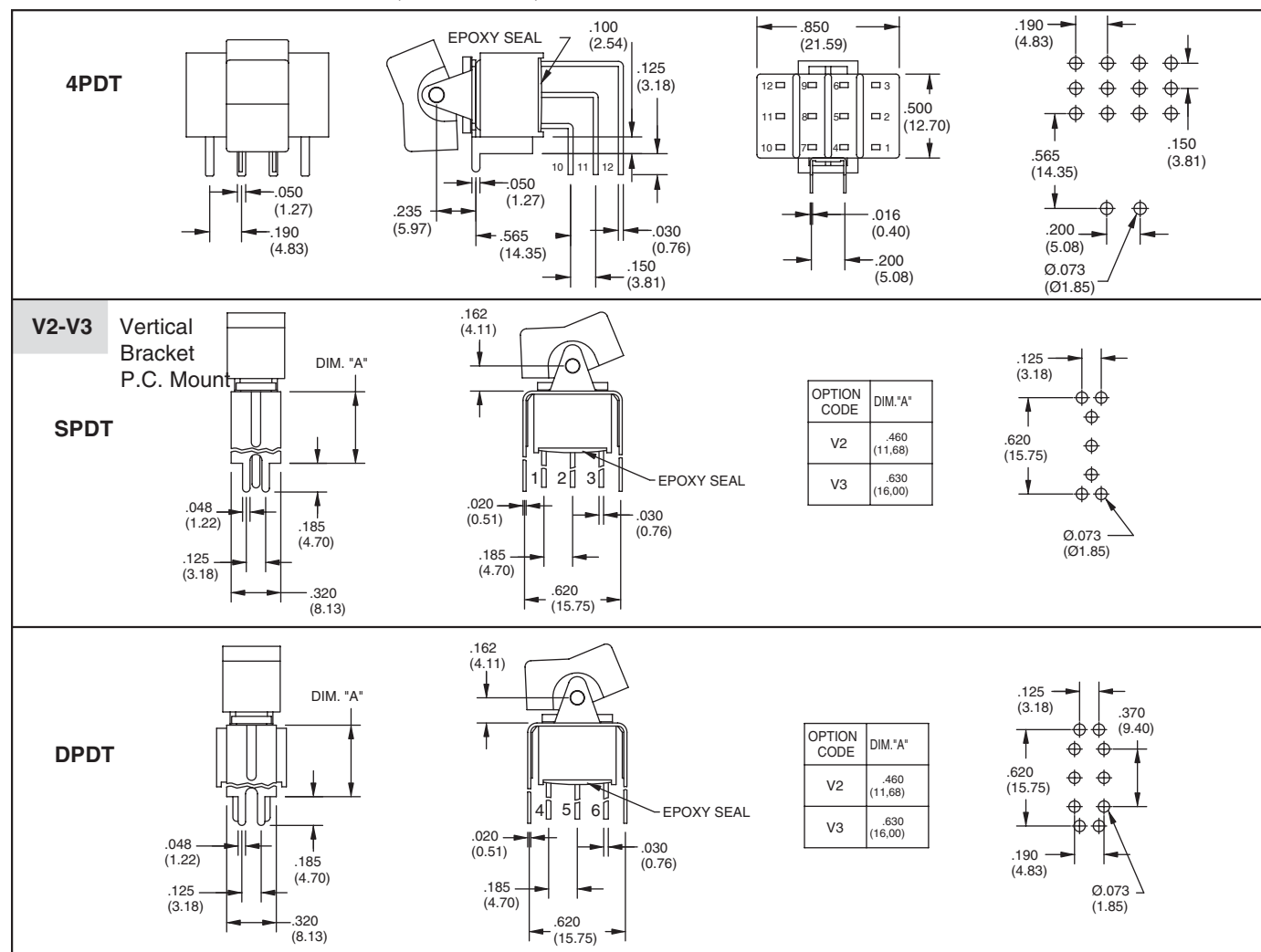
DPDT



3PDT



## TERMINATION OPTIONS In inches (and millimeters)



## SPECIFICATIONS

### RATINGS

**Contact Rating:** Q option - 5A with resistive load @ 125 VAC 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

**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)

**Rockers:** Nylon (UL 94V-0)

**Bushing:** Stainless steel

**Switch Support:** Brass, tin-plated

**Terminal/Contacts:** Brass with silver or gold plate

**Terminal Seal:** Epoxy

## ORDERING INFORMATION



Series 47A Miniature Rocker and Paddle Switches

Model: SPDT: SP1, SP2, SP3, SP4, SP5

DPDT: DP1, DP2, DP3, DP4, DP5

3PDT: 3P1, 3P2, 3P3, 3P4, 3P5

4PDT: 4P1, 4P2, 4P3, 4P4, 4P5

(See Model options.)

Actuator: R1, R2, R3, R4, R5, R6, R7

J1, J2, J3, J4, J5, J6, J7, J8 (See actuator options.)

Termination Options: M1, M2, M3, M6, M7, S6, V2, V3, W1, W2, W3, W4

(See Termination options.)

RoHS Compliant

Contact: R = Brass alloy, gold plate over nickel plate

Q = Brass alloy, silver plated

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

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

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Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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