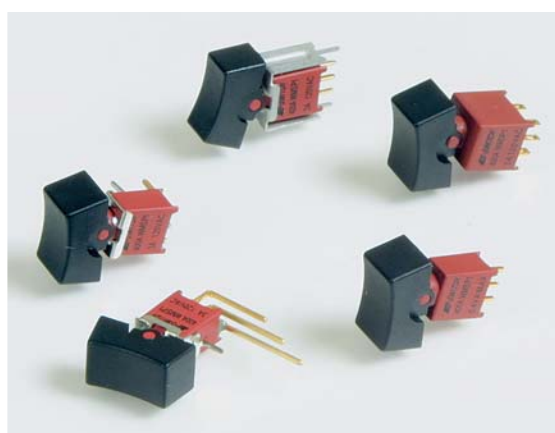




E-SWITCH®

# SERIES 400A SWITCHES

## ROCKER SWITCHES - PROCESS SEALED SUB-MINIATURE



### FEATURES & BENEFITS

- ▶ Variety of switching functions
- ▶ Sub-miniature
- ▶ Sealed to IP67

### APPLICATIONS/MARKETS

- ▶ Telecommunications
- ▶ Instrumentation
- ▶ Test equipment
- ▶ Networking
- ▶ Computer peripherals

### SPECIFICATIONS

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| Contact Rating:        | See contact material options                                                   |
| Life Expectancy:       | 30,000 make-and-break cycles at full load                                      |
| Contact Resistance:    | 10 mΩ typ. initial @ 2-4 V DC, 100 mA for both silver and gold plated contacts |
| Insulation Resistance: | 1,000 MΩ min                                                                   |
| Dielectric Strength:   | 1,000 V RMS @ sea level                                                        |
| Operating Temperature: | -30° C to 85° C                                                                |

### MATERIALS

|                                    |                                                                 |
|------------------------------------|-----------------------------------------------------------------|
| Housing:                           | Glass filled nylon, flame retardant, heat stabilized (UL 94-V0) |
| Actuator:                          | Nylon, black std. (UL94-HB)                                     |
| Actuator Seal:                     | Internal O-Ring                                                 |
| Switch Support:                    | Brass or steel, tin plated                                      |
| Actuator Pivot & Mounting Bracket: | Nylon (UL94-HB)                                                 |
| Actuator Pivot Retainer:           | Stainless steel                                                 |
| Contacts / Terminals:              | Silver or gold plated copper alloy                              |
| Terminal Seal:                     | Epoxy                                                           |



### HOW TO ORDER

| SERIES<br>400A | MODEL NO.                                                            | ACTUATOR  | ACTUATOR<br>COLOR                   | TERMINATION                                       | CONTACT<br>MATERIAL    | SEAL                                          |
|----------------|----------------------------------------------------------------------|-----------|-------------------------------------|---------------------------------------------------|------------------------|-----------------------------------------------|
|                | WMSP1<br>WMSP2<br>WMSP3<br>WMSP4<br>WMSP5<br>WMDP1<br>WMDP2<br>WMDP3 | R1 = Std. | BLK =Black<br>WHT=White<br>RED =Red | M1<br>M2<br>M6<br>M7<br>VS2<br>M61<br>M71<br>VS21 | Q = Silver<br>R = Gold | E = Epoxy<br>Sealed at<br>Base of<br>Terminal |



### Example Ordering Number

400A-WMSP3-R1-BLK-M1-Q-E

Specifications subject to change without notice.

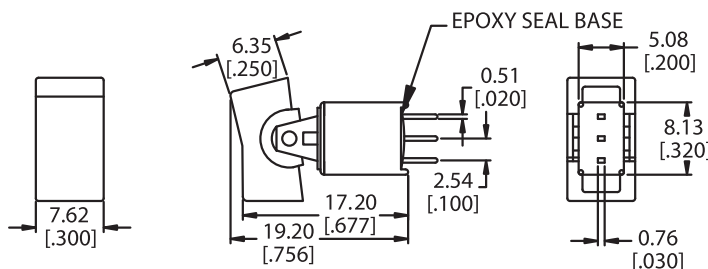
## SPDT



2 Comm.

1 3

SCHEMATIC



| Model No.   | POS 1 | POS 2 | POS 3 |
|-------------|-------|-------|-------|
| WMSP-1      | ON    | NONE  | ON    |
| WMSP-2      | ON    | NONE  | (ON)  |
| WMSP-3      | ON    | OFF   | ON    |
| WMSP-4      | (ON)  | OFF   | (ON)  |
| WMSP-5      | ON    | OFF   | (ON)  |
| Term. Comm. | 2-3   | OPEN  | 2-1   |

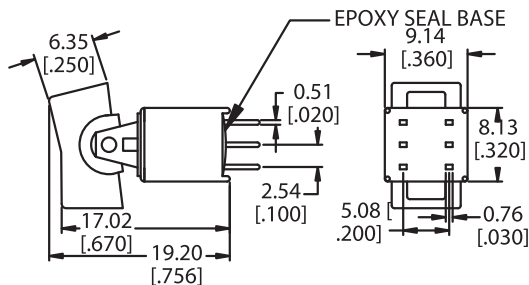
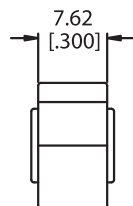
( ) = Momentary

TACT  
SWITCHESNAVIGATION  
SWITCHESPUSHBUTTON  
SWITCHESTOGGLE  
SWITCHESROCKER  
SWITCHESSLIDE  
SWITCHESSNAP-ACTION  
SWITCHESDIP  
SWITCHESKEYLOCK  
SWITCHESROTARY  
SWITCHESDETECTOR  
SWITCHESCAP  
OPTIONS

# SERIES 400A SWITCHES

## ROCKER SWITCHES - PROCESS SEALED SUB-MINIATURE

### DPDT



| Model No.   | POS 1    | POS 2 | POS 3    |
|-------------|----------|-------|----------|
| WMMP-1      | ON       | NONE  | ON       |
| WMMP-2      | ON       | NONE  | (ON)     |
| WMMP-3      | ON       | OFF   | ON       |
| Term. Comm. | 2-3, 5-6 | OPEN  | 2-1, 5-4 |

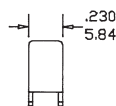
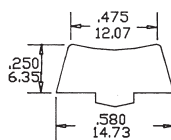
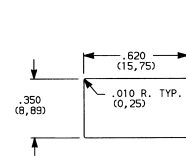
( ) = Momentary

2 Comm. 5 Comm.  
1 3 4 6

SCHEMATIC

### ACTUATOR OPTIONS

#### R1



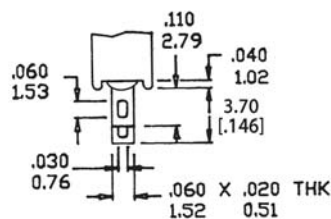
### TERMINATION OPTIONS

#### M1

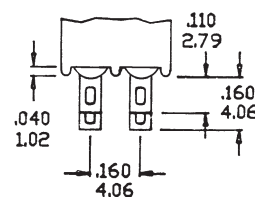
##### SOLDER LUG



##### Single Pole



##### Double Pole

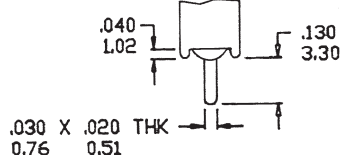


#### M2

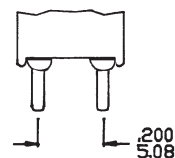
##### P.C. MOUNT



##### Single Pole

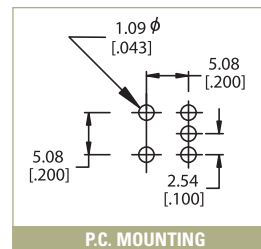
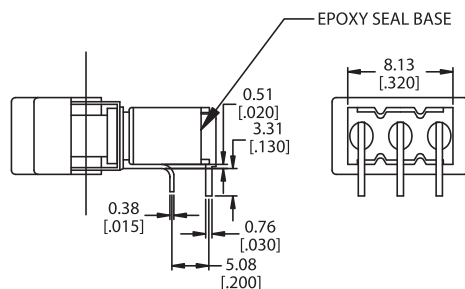
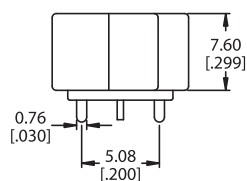


##### Double Pole



**M6**

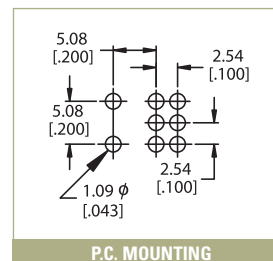
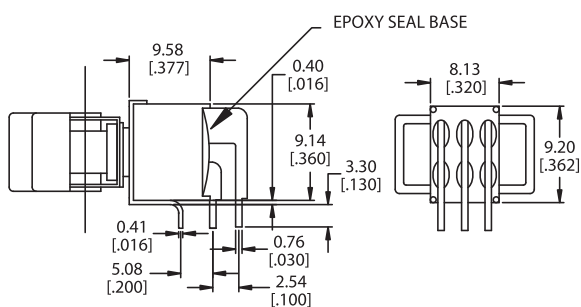
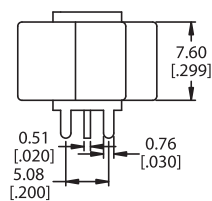
SPDT

**Single Pole**

P.C. MOUNTING

**M6**

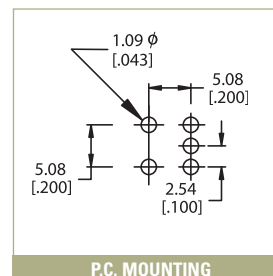
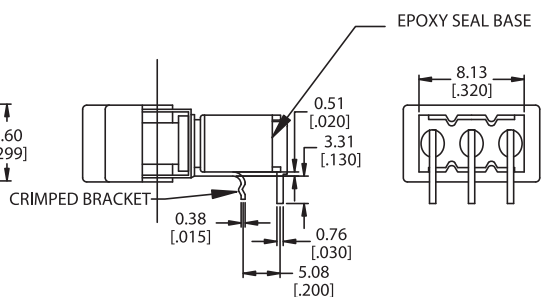
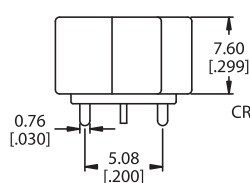
DPDT

**Double Pole**

P.C. MOUNTING

**M61**

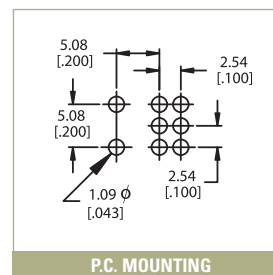
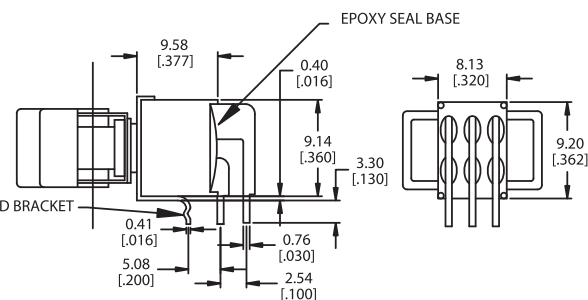
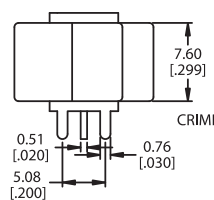
SPDT

**Single Pole**

P.C. MOUNTING

**M61**

DPDT

**Double Pole**

P.C. MOUNTING

M61 Termination includes  
crimped bracket

TACT  
SWITCHESNAVIGATION  
SWITCHESPUSHBUTTON  
SWITCHESTOGGLE  
SWITCHESROCKER  
SWITCHESSLIDE  
SWITCHESSNAP-ACTION  
SWITCHESDIP  
SWITCHESKEYLOCK  
SWITCHESROTARY  
SWITCHESDETECTOR  
SWITCHESCAP  
OPTIONS



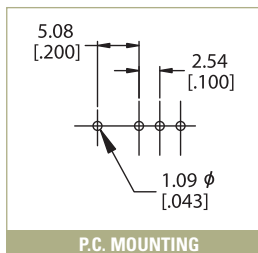
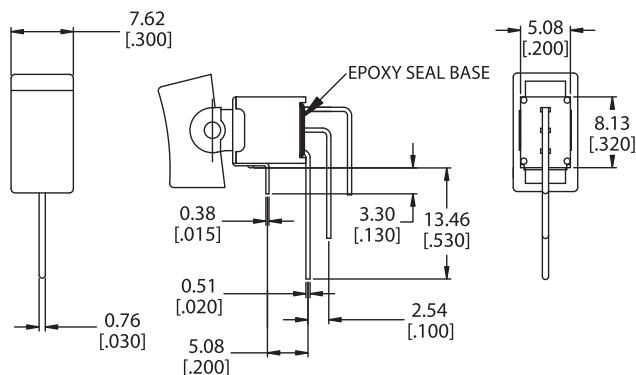
# SERIES 400A SWITCHES

## ROCKER SWITCHES - PROCESS SEALED SUB-MINIATURE

TACT  
SWITCHESNAVIGATION  
SWITCHESPUSHBUTTON  
SWITCHESTOGGLE  
SWITCHESROCKER  
SWITCHESSLIDE  
SWITCHESSNAP-ACTION  
SWITCHESDIP  
SWITCHESKEYLOCK  
SWITCHESROTARY  
SWITCHESDETECTOR  
SWITCHESCAP  
OPTIONS

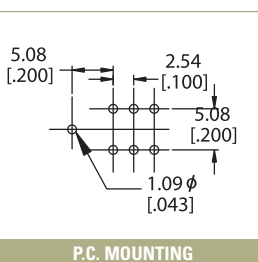
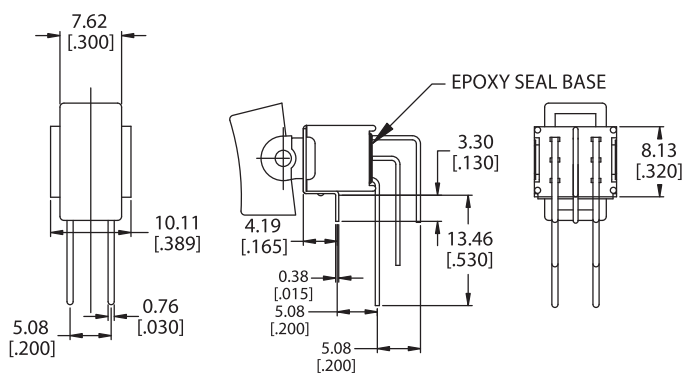
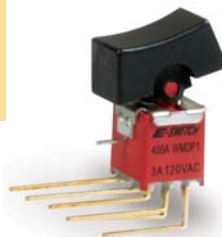
### M7

SPDT



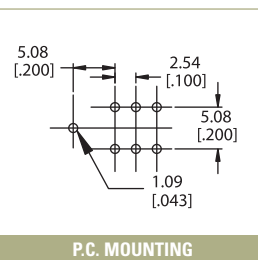
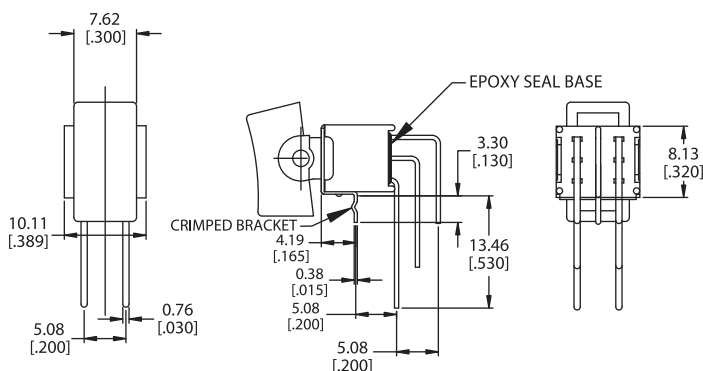
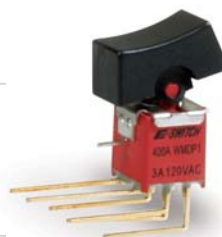
### M7

DPDT



### M71

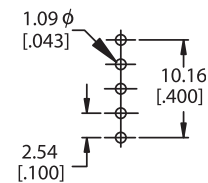
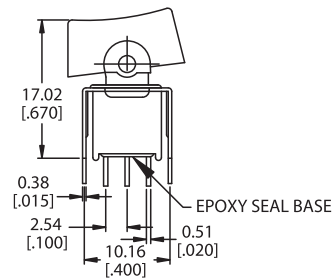
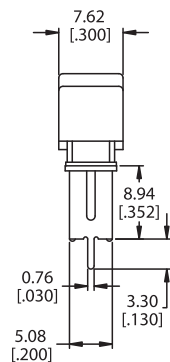
DPDT



M71 Termination includes crimped bracket

**VS2**

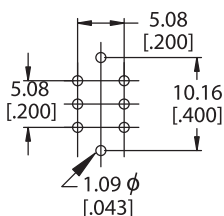
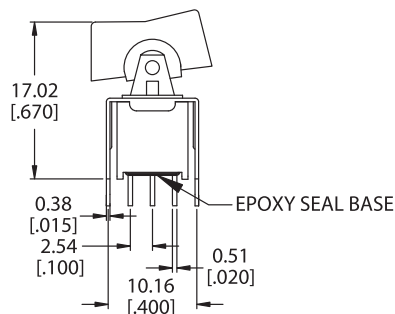
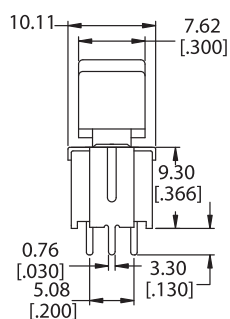
SPDT



P.C. MOUNTING

**VS2**

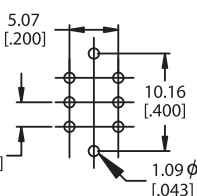
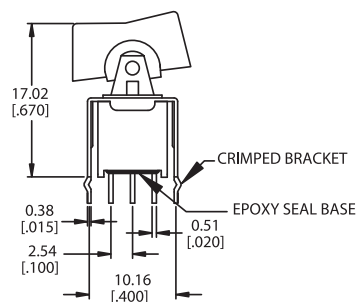
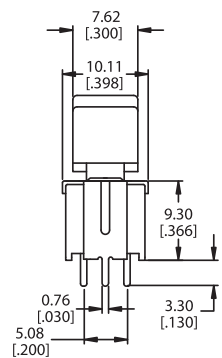
DPDT



P.C. MOUNTING

**VS21**

DPDT



P.C. MOUNTING

**CONTACT MATERIAL OPTIONS****Q**

|                 |                                                 |
|-----------------|-------------------------------------------------|
| Fixed Terminal: | Silver plated copper alloy                      |
| Moving Contact: | Silver plated copper alloy                      |
| Rating:         | 3 AMPS @ 120 VAC or 28 VDC;<br>1.0 AMP @ 250VAC |

**R**

|                 |                                                |
|-----------------|------------------------------------------------|
| Fixed Terminal: | Copper alloy with gold plate over nickel plate |
| Moving Contact: | Copper alloy with gold plate over nickel plate |
| Rating:         | 0.4 VA max. @ 20 VAC or DC max.                |

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

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

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

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