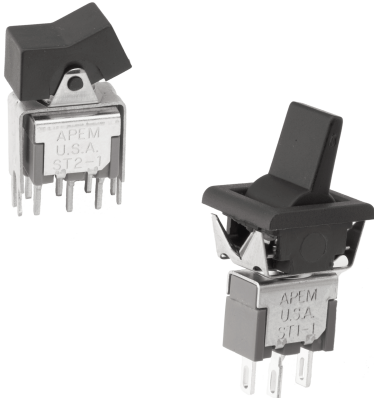


# ST series

## Miniature rocker switches

Distinctive features and specifications



- ☐ Dry circuit through power ratings.
- ☐ Ultra-rugged construction SPDT & DPDT models with numerous options.
- ☐ Panel, panel & PC and PC mounting models.

### ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
  - gold over nickel plated brass contacts : 0.4VA - 20V Max.
  - coin silver contacts : 6A 125VAC, 3A 250VAC, 7A 30VDC
- Initial contact resistance : 3 milliohms max. at 3VDC, 0.1 Amp.
- Insulation resistance : 2,000 MΩ min. between terminals & case ground.
- Dielectric strength : 2,000 VAC for 1 minute between terminals & case ground.
- Electrical life : 40,000 cycles for function 6, all other models are 100,000 cycles at full load

### MATERIALS

- Case : Melamine Phenolic, color, blue
- Actuator :
  - J1 & J2: Glass filled polyester
  - J3 & J4: Nylon or acetal
- Bushing: nickel plated brass
- Strap: stainless steel
- Contacts
  - B: Gold
  - Q: Coin silver
  - G: Gold over silver
- Terminal seal: epoxy
- Spring Bracket: Stainless steel
- Bezel: Nylon

### GENERAL SPECIFICATIONS

- Operating temperature : -30°C to +85°C

### AGENCY APPROVAL



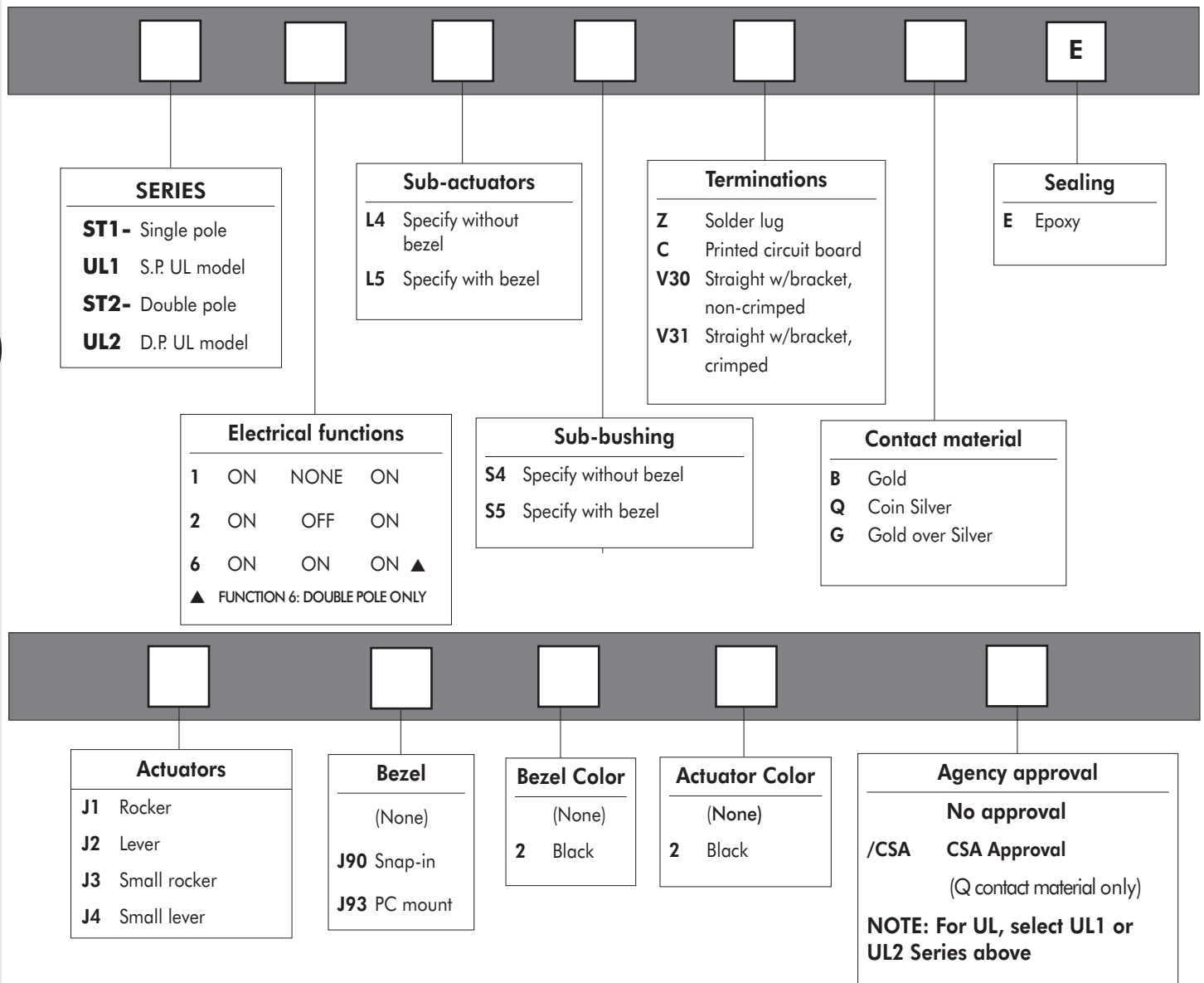
**Availability:** All models with coin silver contacts (Q) only.

**Marking:** To order switches marked UL use "UL" prefix for series designation. For CSA marking, complete appropriate box on ordering format.

# ST series

## Miniature rocker switches

### Overview



### ABOUT THIS SERIES

On the following pages, you will find successively :

- model structure of switches
- options in the same order as in above chart

**Dimensions** : first dimensions are in mm while inches are shown as bracketed numbers.



**Sealing boots** are available to protect the switches against dust and water. They are presented in section H.



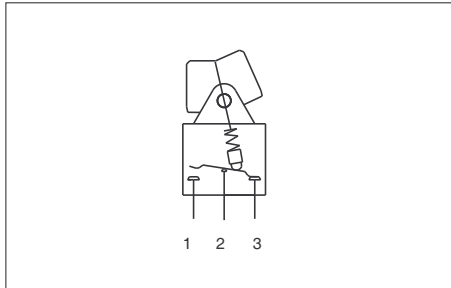
**Mounting accessories** : standard hardware supplied with all models with Ø 6,35 (1/4) threaded bushing : 2 - 5/16" hex nuts , 1 locking ring and 1 lockwasher.  
Standard and special hardware available are presented in section I.



**NOTICE** : please note that not all combinations of above numbers are available. Refer to the following pages for further information.

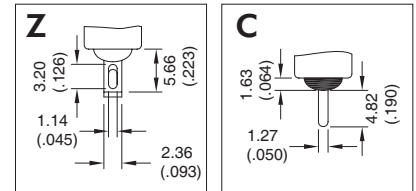
# ST series

## Miniature Rocker switches



### Terminations

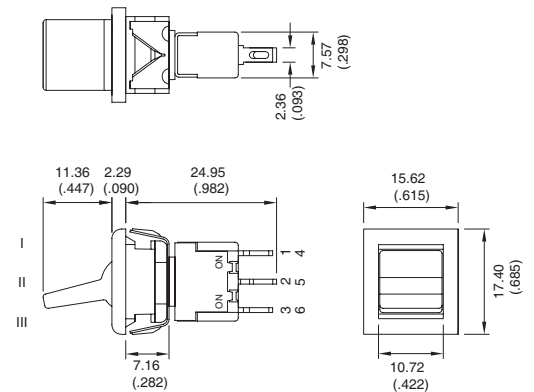
- Solder lug or straight PC terminals
- Epoxy sealed terminals standard



### Solder lug terminals with snap-in bezel



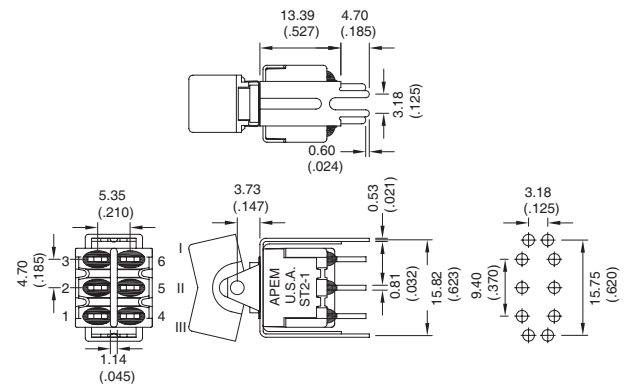
| MODEL NO.          | I   | II  | III |
|--------------------|-----|-----|-----|
| <b>SINGLE POLE</b> | 1-2 |     | 2-3 |
| ST1-1L5S5ZQJ4J9022 | ON  | -   | ON  |
| ST1-2L5S5ZQJ4J9022 | ON  | OFF | ON  |
| <b>DOUBLE POLE</b> | 1-2 | 1-2 | 2-3 |
| ST2-1L5S5ZQJ4J9022 | ON  | -   | ON  |
| ST2-2L5S5ZQJ4J9022 | ON  | OFF | ON  |
| ST1-6L5S5ZQJ4J9022 | ON  | ON  | ON  |



### Double pole straight PC terminals with bracket



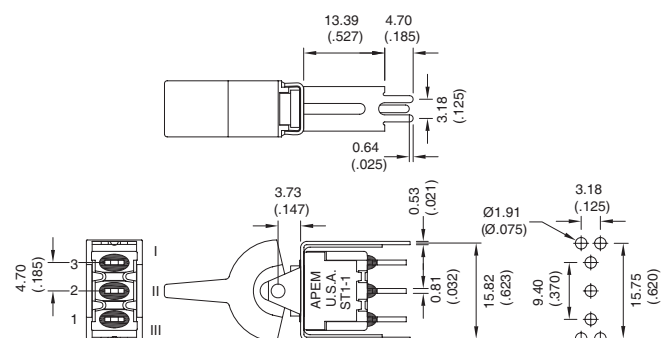
| MODEL NO.        | I   | II  | III |
|------------------|-----|-----|-----|
|                  | 1-2 | 1-2 | 2-3 |
| ST2-1L4S4V30BJ12 | ON  | -   | ON  |
| ST2-2L4S4V30BJ12 | ON  | OFF | ON  |
| ST2-6L4S4V30BJ12 | ON  | ON  | ON  |



### Single pole straight PC terminals with bracket



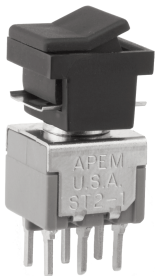
| MODEL NO.        | I   | II  | III |
|------------------|-----|-----|-----|
|                  | 1-2 |     | 2-3 |
| ST1-1L4S4V30BJ12 | ON  | -   | ON  |
| ST1-2L4S4V30BJ12 | ON  | OFF | ON  |



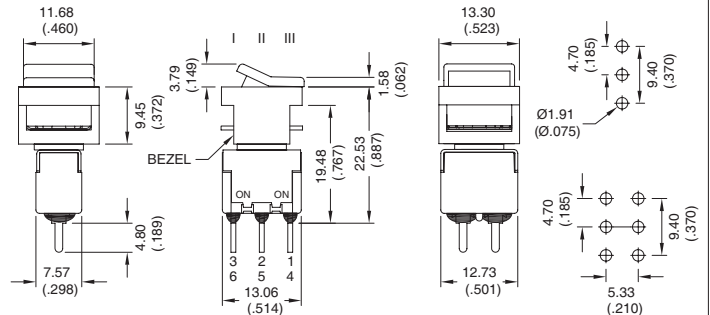
# ST series

## Miniature Rocker switches

### Straight PC terminals with PC mounting bezel



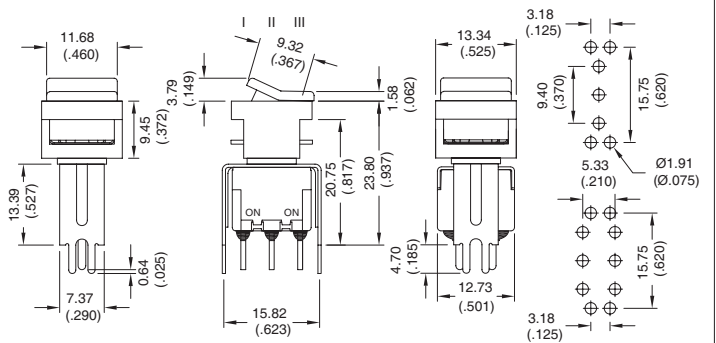
| MODEL NO.          | I   | II  | III |
|--------------------|-----|-----|-----|
| SINGLE POLE        | 1-2 |     | 2-3 |
| ST1-1L5S5CBJ3J9322 | ON  | -   | ON  |
| ST1-2L5S5CBJ3J9322 | ON  | OFF | ON  |
| DOUBLE POLE        | 1-2 | 1-2 | 2-3 |
| ST2-1L5S5CBJ3J9322 | ON  | -   | ON  |
| ST2-2L5S5CBJ3J9322 | ON  | OFF | ON  |
| ST2-6L5S5CBJ3J9322 | ON  | ON  | ON  |



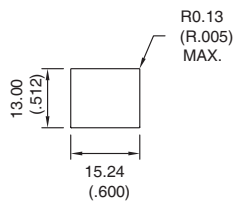
### Straight PC terminals with bracket & PC mounting bezel



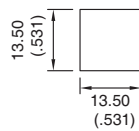
| MODEL NO.            | I   | II  | III |
|----------------------|-----|-----|-----|
| SINGLE POLE          | 1-2 |     | 2-3 |
| ST1-1L5S5CV30J3J9322 | ON  | -   | ON  |
| ST1-2L5S5CV30J3J9322 | ON  | OFF | ON  |
| DOUBLE POLE          | 1-2 | 1-2 | 2-3 |
| ST2-1L5S5CV30J3J9322 | ON  | -   | ON  |
| ST2-2L5S5CV30J3J9322 | ON  | OFF | ON  |
| ST2-6L5S5CV30J3J9322 | ON  | ON  | ON  |



### Panel cut-out



With bezel J90



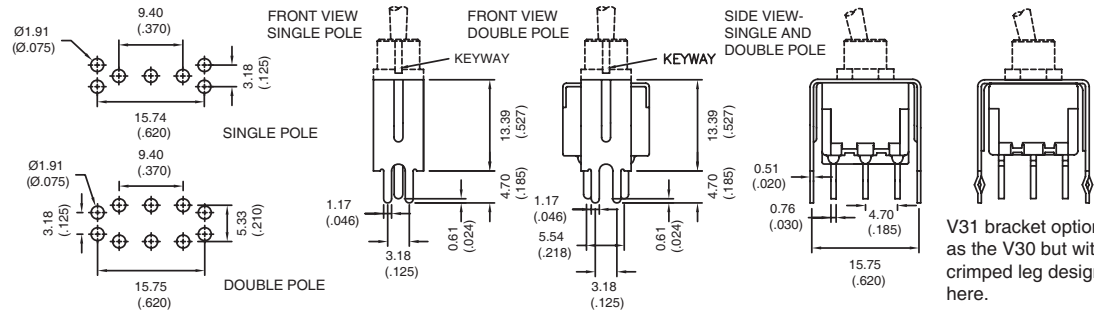
With bezel J93

# ST series

## Miniature Rocker switches

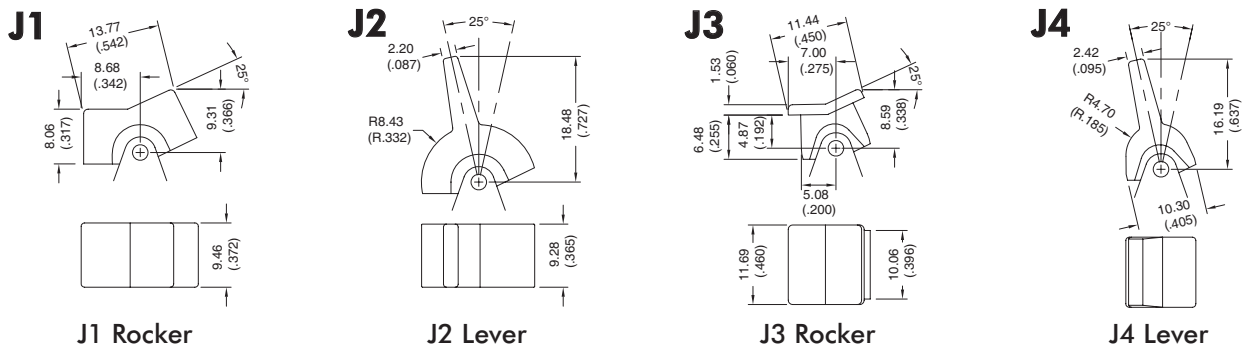
Threaded bushing  $\varnothing 6,35$  (1/4)

### V30 & V31 bracket options



Printed circuit mounting

### Actuators



# ST series

## Miniature Rocker switches

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### Contact material specs.

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- B** Dry circuit - gold over nickel over brass.  
RATING: 0.4 Volt-Amps (VA) max. at 20 V max.  
ELECTRIC LIFE: 100,000 cycles min. (ST1-1 & ST2-1 only - other models 40,000 cycles min.)
- Q** Power circuit - coin silver.  
RATING: 6 Amps at 125 VAC, 3 Amps at 250 VAC or 7 Amps at 30 VDC (resistive loads).  
ELECTRIC LIFE: 100,000 cycles min. (ST1-1 & ST2-1 only - other models 40,000 cycles min.)
- G** Dry circuit or power circuit - gold over nickel over coin silver.  
RATINGS & ELECTRIC LIFE: Same as B & Q above - i.e. - can be used in either dry circuit or power circuit, however once used in power circuit, switch cannot be re-used in dry circuit. This option satisfies those customers who have both dry circuit and power circuit requirements, but prefer to inventory only one switch for both.

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### UL & CSA options

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- UL** For power circuits - coin silver  
RATING: 6 Amps at 125 VAC or 3 Amps at 250 VAC (75% power factor).  
Underwriter Laboratories file no. E66367. Note - applicable only to terminations with coin silver contacts (Q option).
- CSA** For power circuits - coin silver  
RATING: 6 Amps at 125 VAC or 3 Amps at 250 VAC (75% power factor). Canadian Standards Association file no. LR54592-1. Note - applicable only to terminations with coin silver contacts (Q option) as CSA recognizes switches for power applications only.  
Note- Double pole switches with solder lug terminals are not CSA recognized .