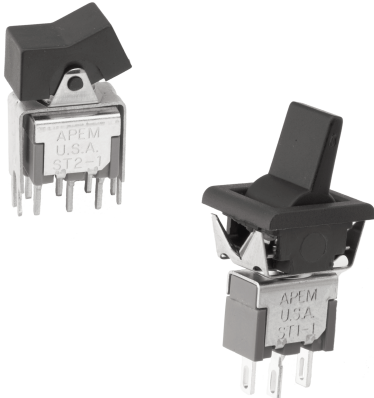


ST series

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



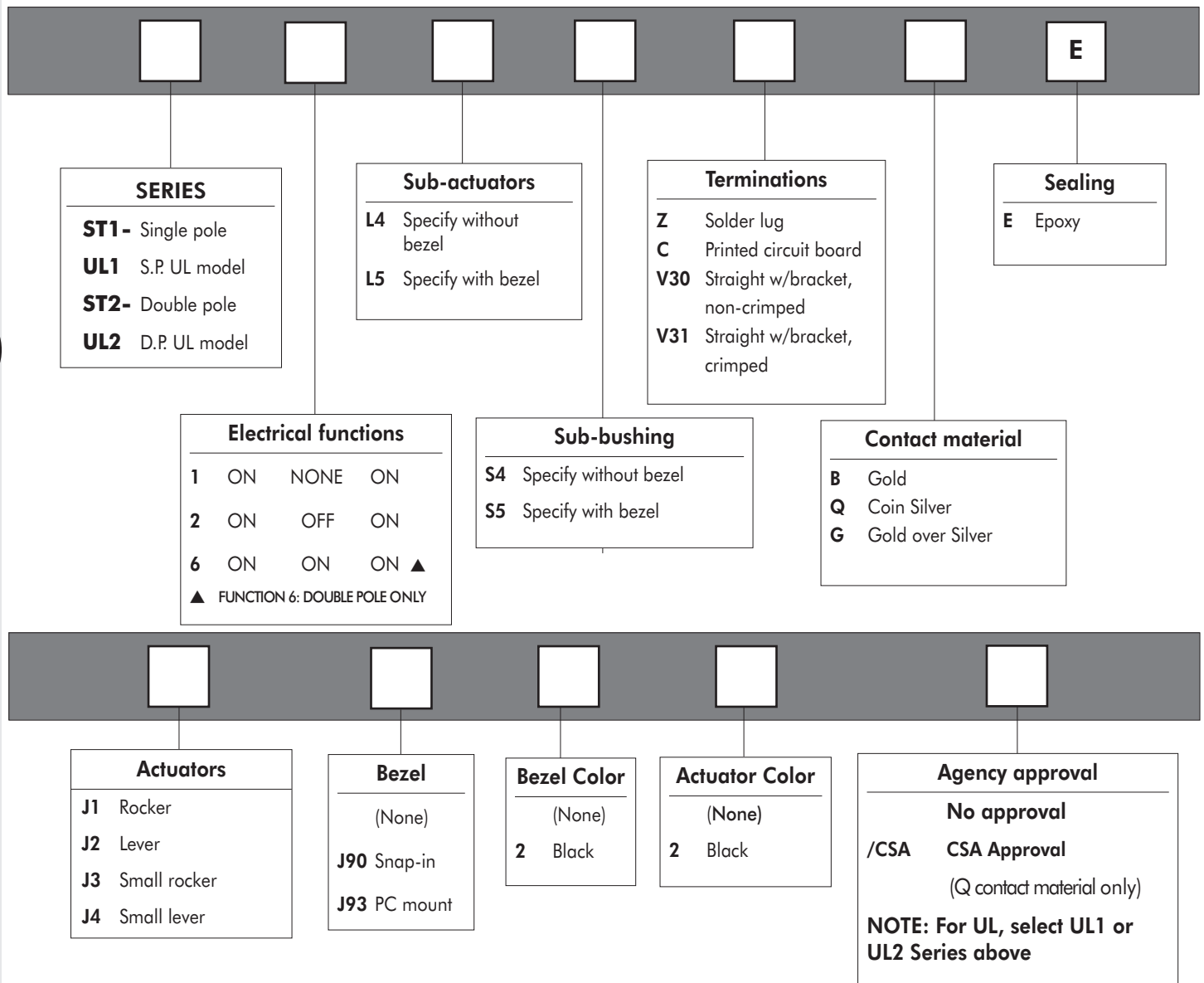
Availability: All models with coin silver contacts (Q) only.

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.



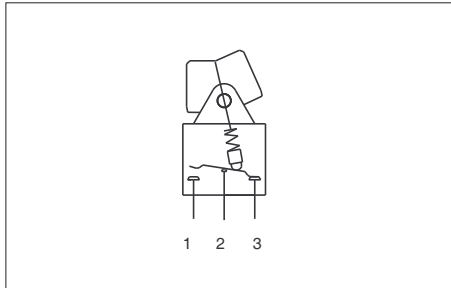
Mounting accessories : standard hardware supplied with all models with Ø 6,35 (1/4) threaded bushing : 2 - 5/16" hex nuts , 1 locking ring and 1 lockwasher.
Standard and special hardware available are presented in section I.



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

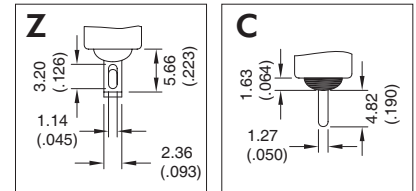
ST series

Miniature Rocker switches



Terminations

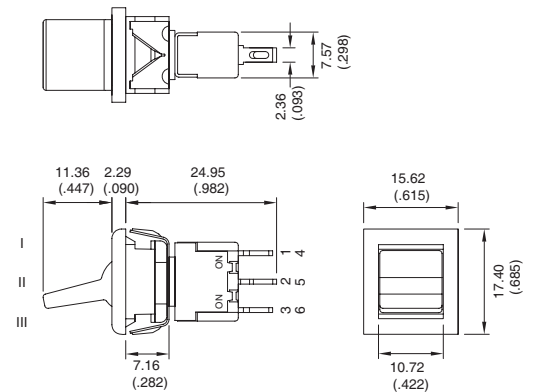
- Solder lug or straight PC terminals
- Epoxy sealed terminals standard



Solder lug terminals with snap-in bezel



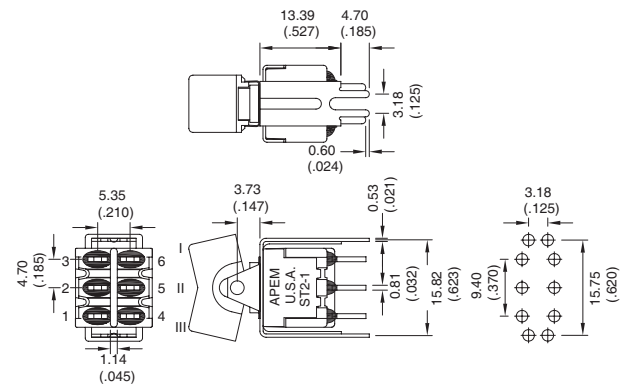
MODEL NO.	I	II	III
SINGLE POLE	1-2		2-3
ST1-1L5S5ZQJ4J9022	ON	-	ON
ST1-2L5S5ZQJ4J9022	ON	OFF	ON
DOUBLE POLE	1-2	1-2	2-3
ST2-1L5S5ZQJ4J9022	ON	-	ON
ST2-2L5S5ZQJ4J9022	ON	OFF	ON
ST1-6L5S5ZQJ4J9022	ON	ON	ON



Double pole straight PC terminals with bracket



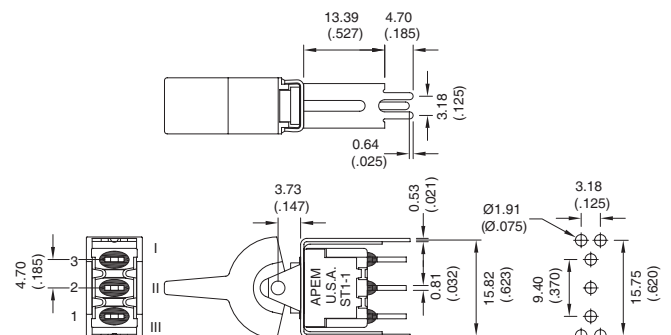
MODEL NO.	I	II	III
	1-2	1-2	2-3
ST2-1L4S4V30BJ12	ON	-	ON
ST2-2L4S4V30BJ12	ON	OFF	ON
ST2-6L4S4V30BJ12	ON	ON	ON



Single pole straight PC terminals with bracket



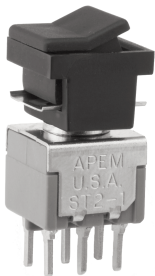
MODEL NO.	I	II	III
	1-2		2-3
ST1-1L4S4V30BJ12	ON	-	ON
ST1-2L4S4V30BJ12	ON	OFF	ON



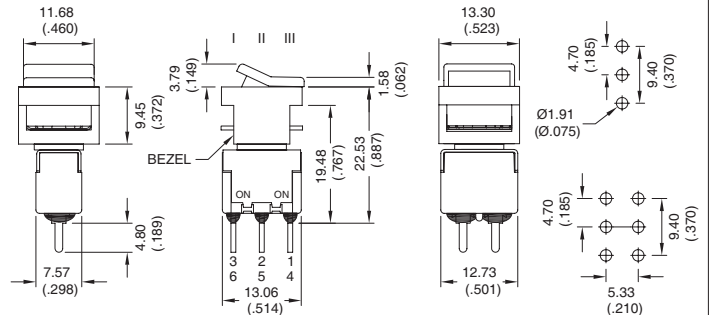
ST series

Miniature Rocker switches

Straight PC terminals with PC mounting bezel



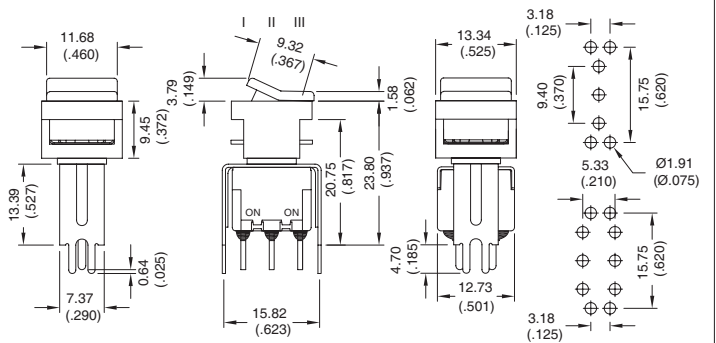
MODEL NO.	I	II	III
SINGLE POLE	1-2		2-3
ST1-1L5S5CBJ3J9322	ON	-	ON
ST1-2L5S5CBJ3J9322	ON	OFF	ON
DOUBLE POLE	1-2	1-2	2-3
ST2-1L5S5CBJ3J9322	ON	-	ON
ST2-2L5S5CBJ3J9322	ON	OFF	ON
ST2-6L5S5CBJ3J9322	ON	ON	ON



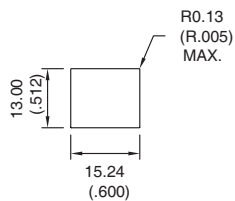
Straight PC terminals with bracket & PC mounting bezel



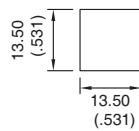
MODEL NO.	I	II	III
SINGLE POLE	1-2		2-3
ST1-1L5S5CV30J3J9322	ON	-	ON
ST1-2L5S5CV30J3J9322	ON	OFF	ON
DOUBLE POLE	1-2	1-2	2-3
ST2-1L5S5CV30J3J9322	ON	-	ON
ST2-2L5S5CV30J3J9322	ON	OFF	ON
ST2-6L5S5CV30J3J9322	ON	ON	ON



Panel cut-out



With bezel J90



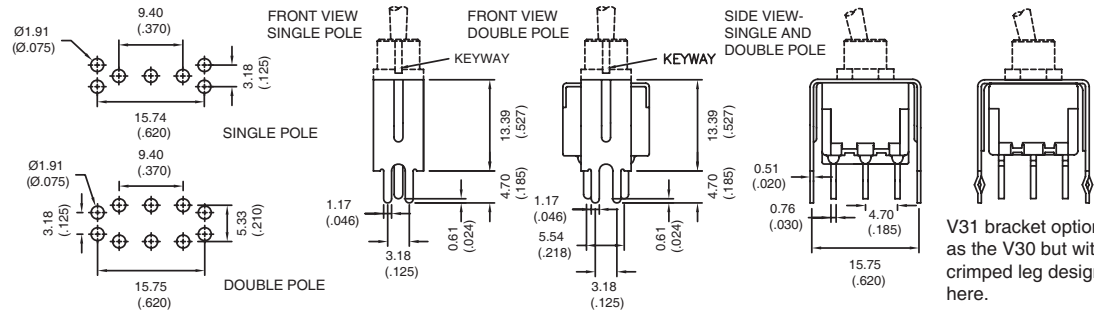
With bezel J93

ST series

Miniature Rocker switches

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

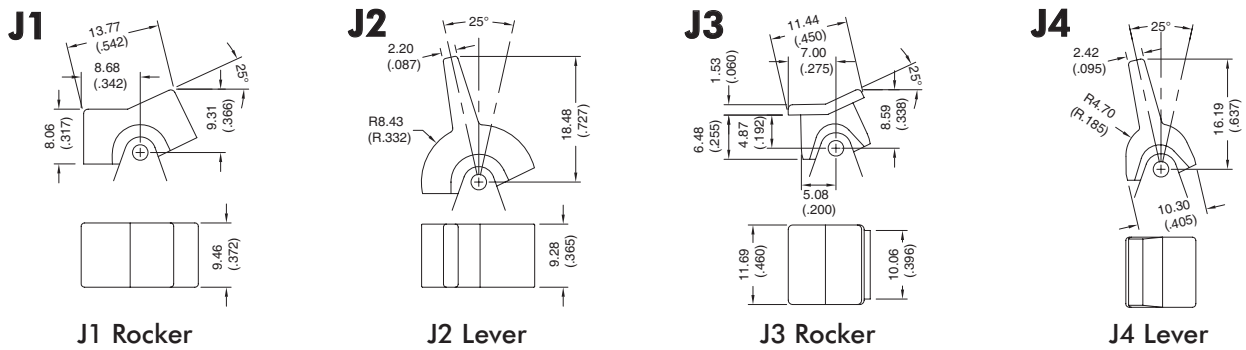
V30 & V31 bracket options



V31 bracket option is the same as the V30 but with the crimped leg design shown here.

Printed circuit mounting

Actuators



ST series

Miniature Rocker switches

Contact material specs.

- 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.

UL & CSA options



- 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 .

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Apem:](#)

[ST11L5S5V30BJ3J9322](#) [ST11L5S5ZBJ3J9022](#) [ST11L5S5ZQEJ3J9022](#) [ST11L5S5ZQJ3J9022](#)
[ST12L5S5ZBJ3J9022](#) [ST21L5S5CQEJ3J9022](#) [ST21L5S5ZBJ3J9022](#) [ST21L5S5ZQEJ3J9022](#) [ST21L5S5ZQJ3J9022](#)
[ST21L5S5ZQJ4J9022](#) [ST22L4S4V30BEJ22](#) [ST22L5S5V30BJ3J9322](#) [ST22L5S5ZQJ4J9022](#) [ST11L4S4V30QJ12](#)
[ST22L5S5ZQJ3J9022](#) [ST21L5S5CBJ3J9322](#)