

# V Series Power & Line Voltage Select Slide Switches

## Features/Benefits

- Ratings up to 10 AMPS
- Snap-in panel and PC mounting
- Actuators with screwdriver slot
- Quick connect terminals available
- RoHS compliant

## Typical Applications

- Appliances



I

Slide

## Specifications

CONTACT RATING: 10 GPA @ 125 V AC 50/60 Hz T85;

5 GPA @ 250 V AC 50/60 Hz T85;

2 (0.5)A @ 250 VAC 50/60 Hz T85;

4RA @ 30 VDC T85

ELECTRICAL LIFE: 10,000 make-and-break cycles at full load.

CONTACT RESISTANCE: Below 10 mΩ typ. initial  
@ 2-4 V DC, 100 mA.

INSULATION RESISTANCE: 10<sup>9</sup> Ω min.

DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.

OPERATING TEMPERATURE: -30°C to +85°C.

## Materials

HOUSING: 6/6 nylon (UL94V-2), black.

TOP PLATE: 6/6 nylon (UL94V-2), black.

ACTUATOR: Glass filled polyester (UL94V-0), '01 and '02' styles, black (standard); '12, '13 and '14' styles, red (standard).

CONTACTS: Copper, silver plated.

TERMINALS: Copper, silver plated.

CONTACT SPRING: Music wire or stainless steel.

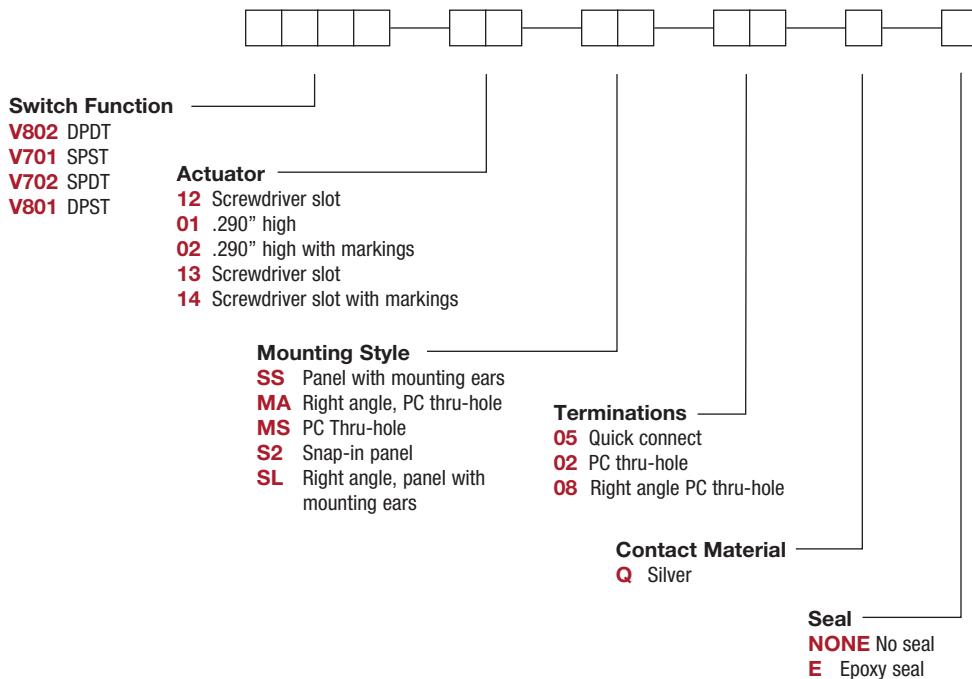
TERMINAL SEAL: Epoxy.

**NOTE:** Any models supplied with Q, B or G contact material are RoHS compliant.

**NOTE:** Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

## Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages I-34 through I-36. For additional options not shown in catalog, consult Customer Service Center.



# V Series Power & Line Voltage Select Slide Switches

## SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION	SCHEMATIC	AVAILABLE MOUNTING STYLES
SP	<b>V701</b>	SPST	1A 1	ALL
	<b>V702</b>	SPDT	1A 1 1B	ALL

All models



with all options.

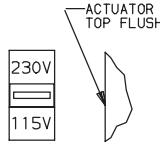
NO. POLES	MODEL NO.	SWITCH FUNCTION	SCHEMATIC	AVAILABLE MOUNTING STYLES
DP	<b>V801</b>	DPST	1A 1 2A 2	ALL
	<b>V802</b>	DPDT	1A 1 1B 2A 2 2B	ALL

Contacts make on side actuator thrown.

I  
Slide

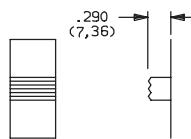
## ACTUATOR

**12** SCREWDRIVER SLOT WITH MARKING



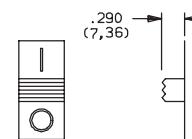
Actuator color is red with white 115V-230V markings (std.).

**01** .290" HIGH



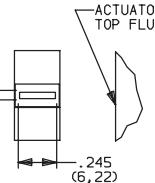
Actuator color is black.

**02** .290" HIGH WITH MARKINGS



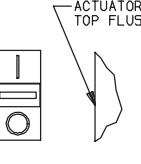
markings are reversed on V702 and V802 models. Actuator color is black with white markings (std.).

**13** SCREWDRIVER SLOT NO MARKING



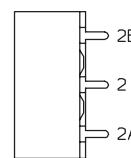
Actuator color is red.

**14** SCREWDRIVER SLOT WITH MARKINGS



Markings are reversed on V702 and V802 models.

**Note:** Orientation of Actuator color is red with white markings (std.).

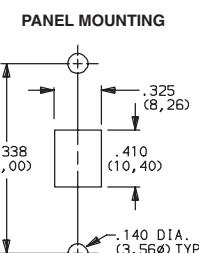
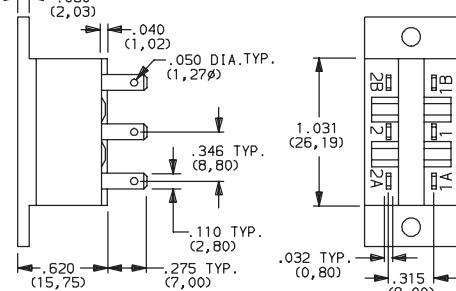
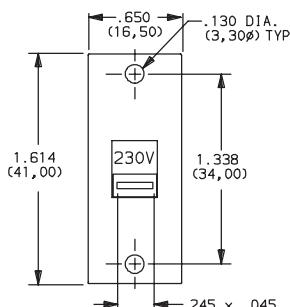


## MOUNTING STYLE

**SS** PANEL WITH MOUNTING EARS



V80212SS05Q  
DPDT

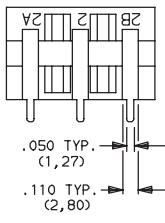
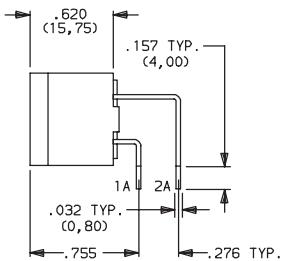
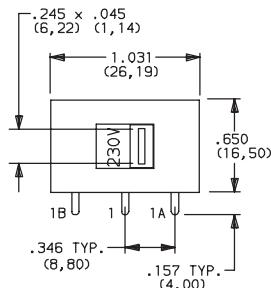


**AVAILABLE WITH:**  
Models: All.  
Terminations: 02 and 05

**MA** RIGHT ANGLE, PC THRU-HOLE



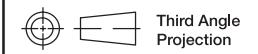
V80212MA08Q  
Horizontal Actuation  
DPDT



**AVAILABLE WITH:**  
Models: All  
Terminations: 08

### PC MOUNTING

PC mount, side actuated.  
For mounting information, see TERMINATIONS section, page I-36.



Dimensions are shown: Inch (mm)

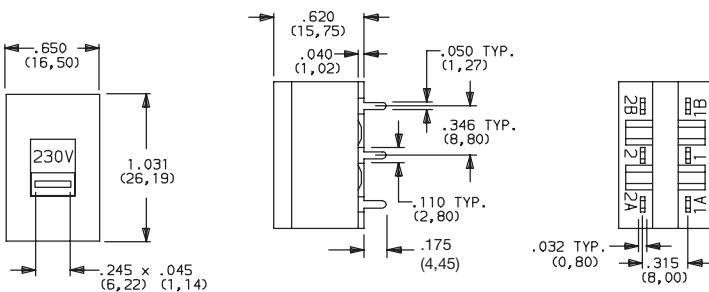
Specifications and dimensions subject to change

[www.ckswitches.com](http://www.ckswitches.com)

# V Series Power & Line Voltage Select Slide Switches

## MOUNTING STYLE

### MS PC THRU-HOLE



#### AVAILABLE WITH:

All models with 02 terminations

#### PC MOUNTING

PC mount, top actuated.  
For mounting information,  
see TERMINATIONS section, page I-36.



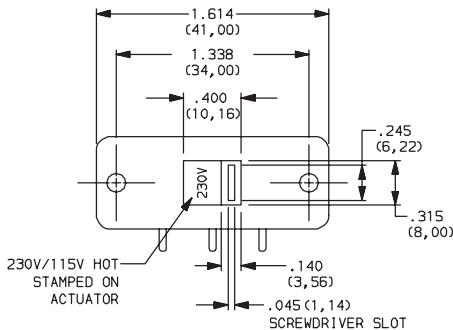
V80212MS02Q

**DPDT**

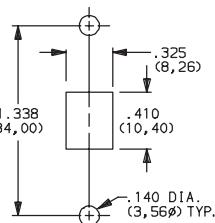


**Slide**

### SL RIGHT ANGLE PANEL WITH MOUNTING EARS



#### PANEL MOUNTING



#### AVAILABLE WITH:

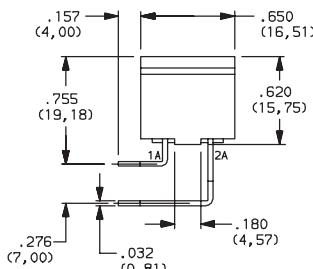
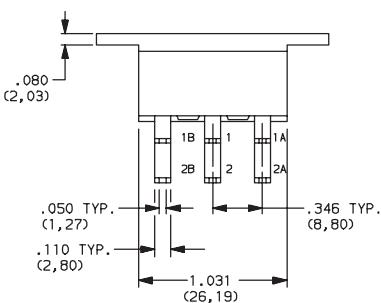
All models with 08 terminations



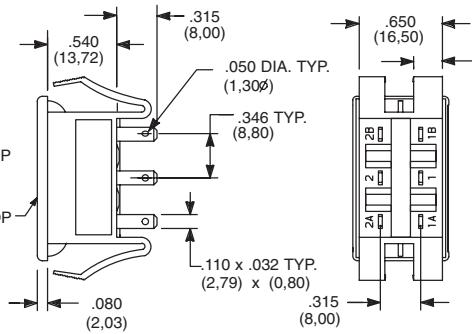
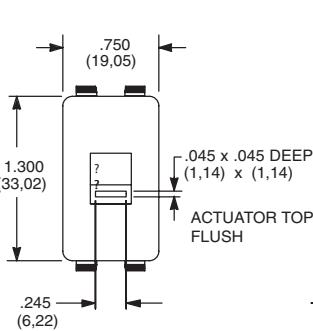
V80213SL08Q

Horizontal Actuation

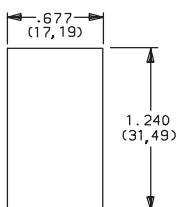
**DPDT**



### S2 SNAP-IN PANEL MOUNT



#### PANEL MOUNTING



Panel thickness:  
0.200-.200 THK.  
(0.50-5.08)

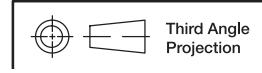


V80212S205Q

**DPDT**

#### AVAILABLE WITH:

All models with 02 & 05 terminations

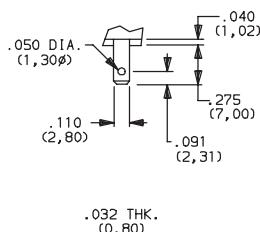


Dimensions are shown: Inches (mm)  
Specifications and dimensions subject to change

# V Series Power & Line Voltage Select Slide Switches

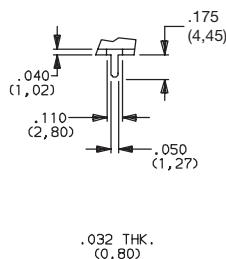
## TERMINATIONS

### 05 QUICK CONNECT



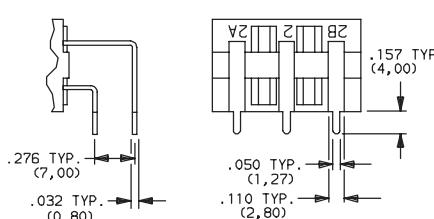
Fits .110 in. quick connector.

### 02 PC THRU-HOLE



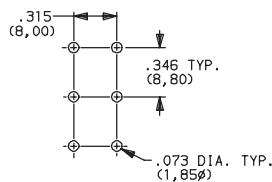
.032 THK.  
(0,80)

### 08 PC THRU-HOLE



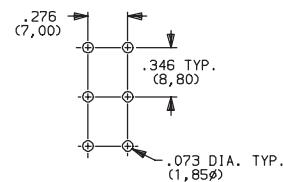
Not available with 'MS, SS or S2' mounting styles.

#### PC MOUNTING



MS, SS Mounting Styles.

#### PC MOUNTING



MA, SL Mounting Styles.

## CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	RATINGS	
<b>Q</b>	SILVER <sup>1</sup>	POWER	10 GPA @ 125 V AC 50/60 Hz T85; 5 GPA @ 250 V AC 50/60 Hz T85; 2 (0.5)A @ 250 VAC 50/60 Hz T85; 4RA @ 30 VDC T85

\* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

<sup>1</sup> CONTACTS & TERMINALS: Copper, silver plated (standard with all termination options).

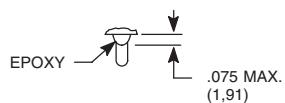
All models  with all options.

**NOTE:** Any models supplied with Q contact material are RoHS compliant.

## SEAL

### NONE NO SEAL

### E EPOXY SEAL



Dimensions are shown: Inch (mm)

Specifications and dimensions subject to change

# Mouser Electronics

Authorized Distributor

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## C&K Switches:

[V80102SS05QE](#) [V70113SS05QE](#) [V80114MS02Q](#) [V80213MS02QE](#) [V70114SS05Q](#) [V70201SS05Q](#) [V70102MS02Q](#)  
[V70112MA08Q](#) [V80213SS05QE](#) [V80101MS02Q](#) [V70112S205Q](#) [V80113MA08Q](#)