

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



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: 10⁹ 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.

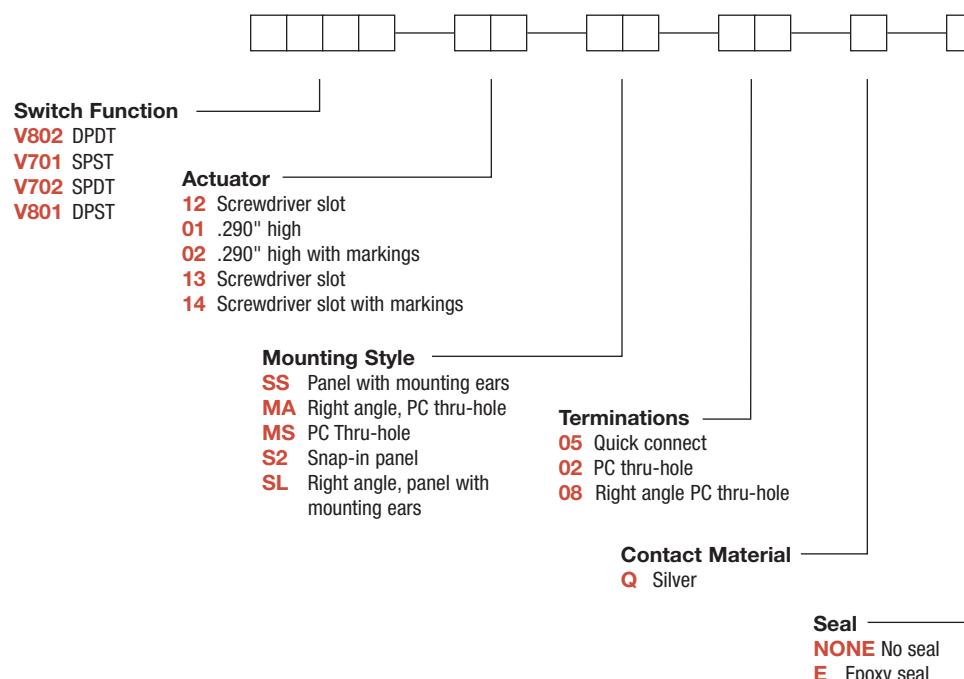
TERMINAL SEAL: Epoxy.

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.



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

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V Series

Power & Line Voltage Select Slide Switches

SWITCH FUNCTION

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

All models   with all options.



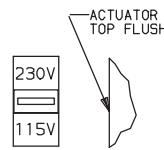
Contacts make on side actuator thrown.

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

Slide

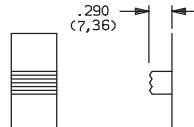
ACTUATOR

12 SCREWDRIVER SLOT WITH MARKING



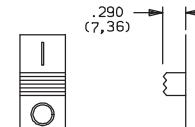
Actuator color is red with white 115V-230V markings (std.).

01 .290" HIGH



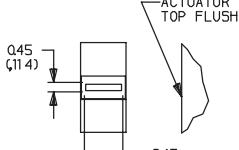
Actuator color is black.

02 .290" HIGH WITH MARKINGS



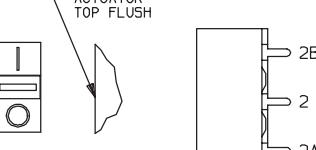
markings are reversed on V702 and V802 models. Actuator color is black with white markings (std.).

13 SCREWDRIVER SLOT NO MARKING



Actuator color is red.

14 SCREWDRIVER SLOT WITH MARKINGS



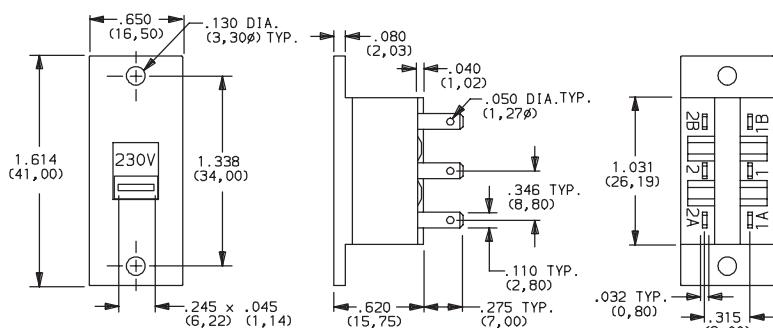
Markings are reversed on V702 and V802 models. Note: Orientation of actuator markings and terminals.

MOUNTING STYLE

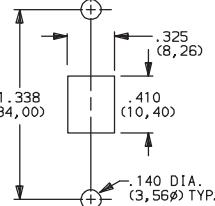
SS PANEL WITH MOUNTING EARS



V80212SS05Q
DPDT



PANEL MOUNTING

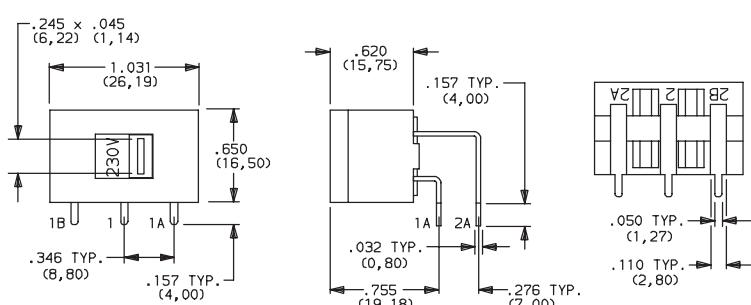


AVAILABLE WITH:
Models: All.
Terminations: 02 and 05

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.



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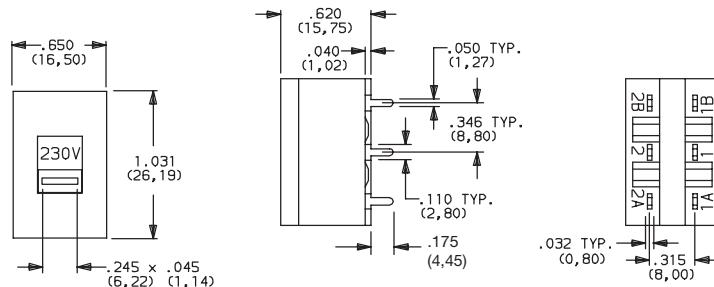


V Series Power & Line Voltage Select Slide Switches

MOUNTING STYLE



MS PC THRU-HOLE



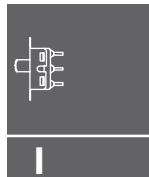
AVAILABLE WITH:

All models with 02 terminations



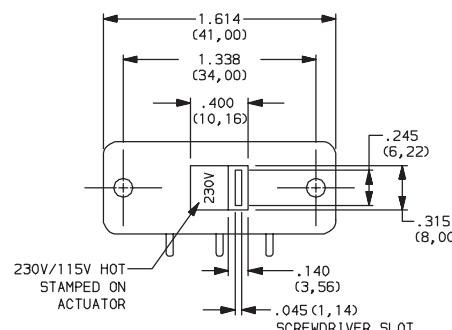
V80212MS02Q

DPDT

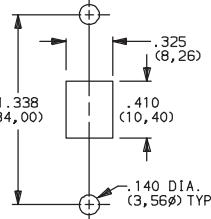


Slide

SL RIGHT ANGLE PANEL WITH MOUNTING EARS



PANEL MOUNTING



AVAILABLE WITH:

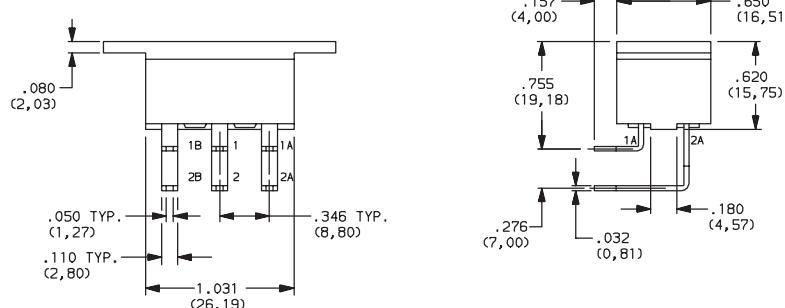
All models with 08 terminations



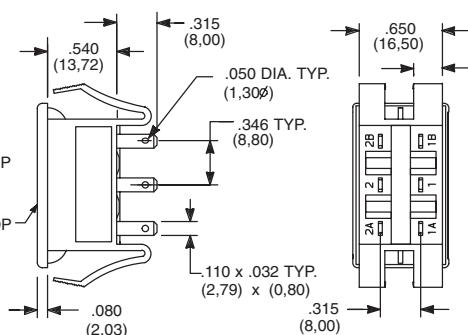
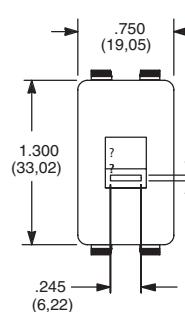
V80213SL08Q

Horizontal Actuation

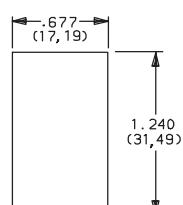
DPDT



S2 SNAP-IN PANEL MOUNT



PANEL MOUNTING



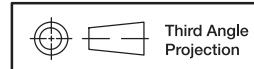
V80212S205Q

DPDT

Panel thickness:
.020-.200 THK.
(0,50) (5,08)

AVAILABLE WITH:

All models with 02 & 05 terminations



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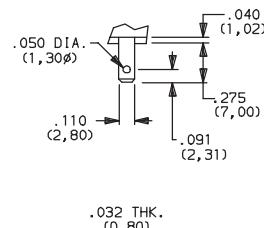
C&K

V Series

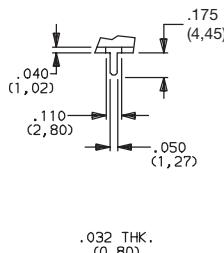
Power & Line Voltage Select Slide Switches

TERMINATIONS

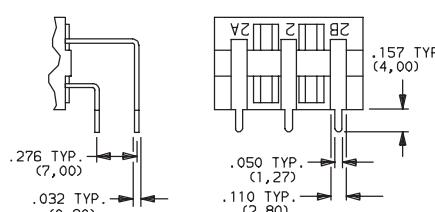
05 QUICK CONNECT



02 PC THRU-HOLE

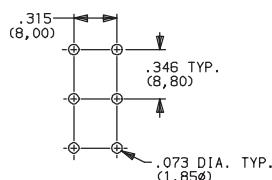


08 PC THRU-HOLE



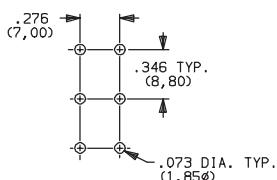
Slide

PC MOUNTING



MS, SS Mounting Styles.

PC MOUNTING



MA, SL Mounting Styles.

CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	RATINGS	
		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
Q	SILVER ¹		

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

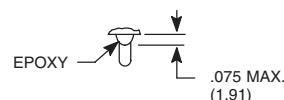
¹ CONTACTS & TERMINALS: Copper, silver plated (standard with all termination options). All models    with all options.

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

SEAL

NONE NO SEAL

E EPOXY SEAL



Dimensions are shown: Inch (mm)
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Mouser Electronics

Authorized Distributor

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

C&K Switches:

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