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 m Ω typ. initial
@ 2-4 V DC, 100 mA.

INSULATION RESISTANCE: 10^9 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.

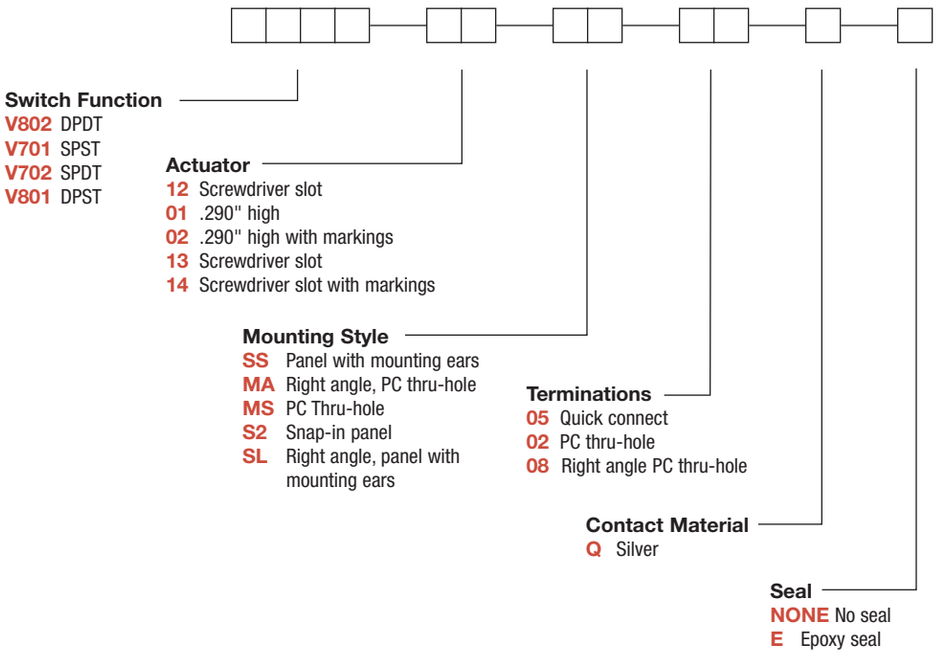
TERMINAL SEAL: Epoxy.

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	V701	SPST	1A 1	ALL
	V702	SPDT	1A 1 1B	ALL

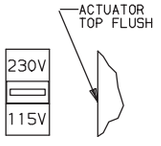
NO. POLES	MODEL NO.	SWITCH FUNCTION	SCHEMATIC	AVAILABLE MOUNTING STYLES
DP	V801	DPST	1A 1 2A 2	ALL
	V802	DPDT	1A 1 1B 2A 2 2B	ALL

All models cULus VDE 15 with all options.

Contacts make on side actuator thrown.

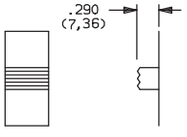
ACTUATOR

12 SCREWDRIVER SLOT WITH MARKING



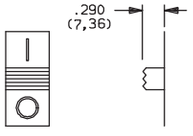
Actuator color is red with white 115V-230V markings (std.).

01 .290" HIGH



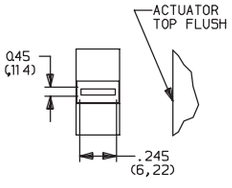
Actuator color is black.

02 .290" HIGH WITH MARKINGS



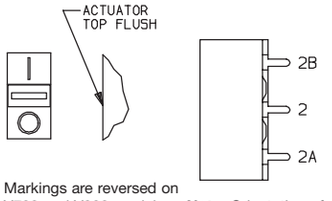
markings are reversed on V702 and V802 models. Actuator color is black with white markings (std.).

13 SCREWDRIVER SLOT NO MARKING



Actuator color is red.

14 SCREWDRIVER SLOT WITH MARKINGS



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

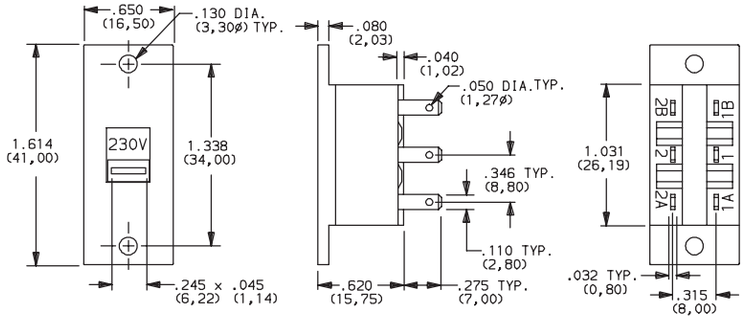
Note: Orientation of actuator markings and terminals.

MOUNTING STYLE

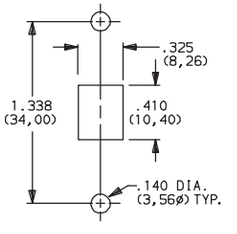
SS PANEL WITH MOUNTING EARS



V80212SS05Q
DPDT



PANEL MOUNTING



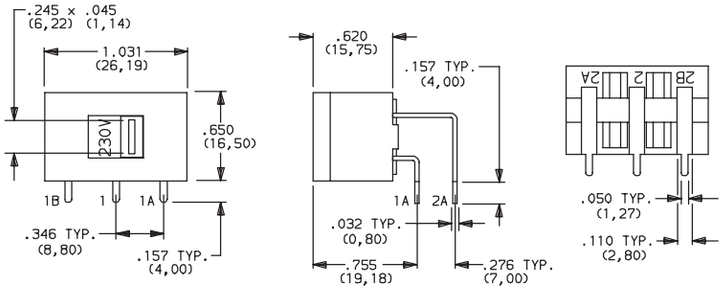
AVAILABLE WITH:

Models: All.
Terminations: 02 and 05

MA RIGHT ANGLE, PC THRU-HOLE



V80212MA08Q
Horizontal Actuation
DPDT



AVAILABLE WITH:

Models: All
Terminations: 08

PC MOUNTING

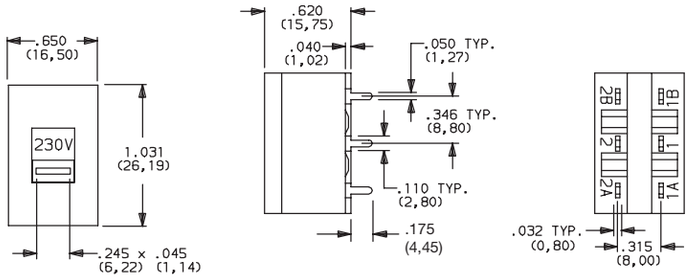
PC mount, side actuated.
For mounting information,
see TERMINATIONS section, page I-36.

Third Angle Projection

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

MOUNTING STYLE

MS PC THRU-HOLE



AVAILABLE WITH:

All models with 02 terminations

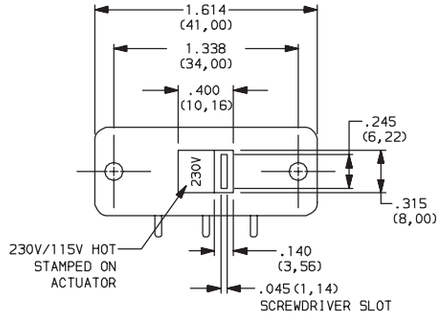
PC MOUNTING

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

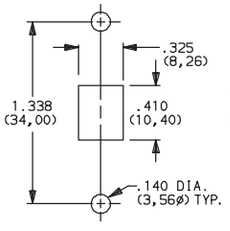


V80212MS02Q
DPDT

SL RIGHT ANGLE PANEL WITH MOUNTING EARS

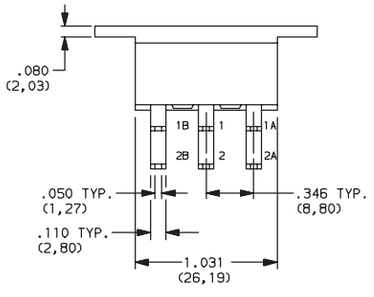


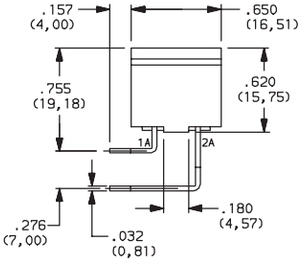
PANEL MOUNTING



AVAILABLE WITH:

All models with 08 terminations

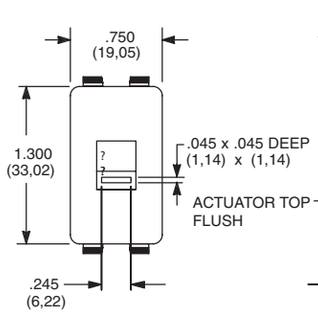


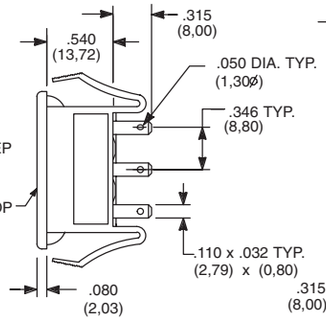


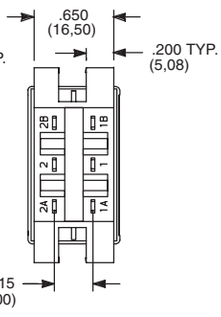


V80213SL08Q
Horizontal Actuation
DPDT

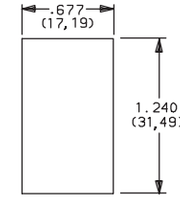
S2 SNAP-IN PANEL MOUNT







PANEL MOUNTING



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

AVAILABLE WITH:

All models with 02 &
05 terminations



V80212S205Q
DPDT

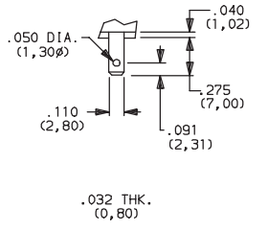
Third Angle Projection

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

V Series
Power & Line Voltage Select Slide Switches

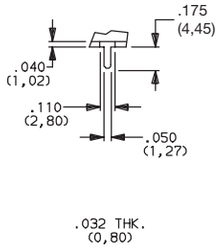
TERMINATIONS

05 QUICK CONNECT

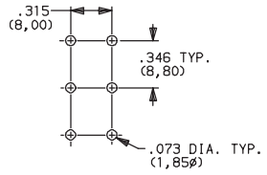


Fits .110 in. quick connector.

02 PC THRU-HOLE

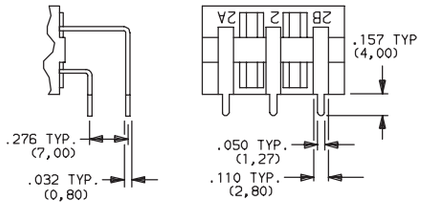


PC MOUNTING



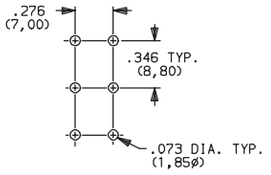
MS, SS Mounting Styles.

08 PC THRU-HOLE



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

PC MOUNTING



MA, SL Mounting Styles.

CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	RATINGS	
Q	SILVER [1]	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.

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

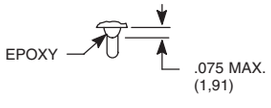
All models with all options.

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

SEAL

NONE NO SEAL

E EPOXY SEAL



Third Angle Projection

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