

Features/Benefits

- Process sealed, withstands soldering and cleaning
- Long life contact design
- Snap-fitting plunger available, accepts a variety of caps
- RoHS compliant models available

Typical Applications

- Instrumentation
- Telecommunications and networking equipment
- Computers and peripherals



Specifications

CONTACT RATING: Q contact material: 4 AMPS @ 125 V AC or 28 V DC. See page A-50 for additional ratings.

ELECTRICAL LIFE: 40,000 make-and-break cycles at full load.

CONTACT RESISTANCE: Below 20 m Ω typ. initial @

2-4 V DC, 100 mA, for both silver and gold plated contacts.

INSULATION RESISTANCE: $10^9\Omega$ min.

DIELECTRIC STRENGTH: 1000 Vrms min. @ sea level.

OPERATING TEMPERATURE: -30°C to 75°C.

CAP INSTALLATION FORCE: 10 lbs. max. permissible.

SOLDERABILITY: Per MIL-STD-202F method 208D, or

EIA RS-186E method 9 (1 hour steam aging).

NOTE: Any models supplied with P, 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.

Materials

CASE & BUSHING: Glass filled nylon 6/6, flame retardant (UL 94V-0).

PLUNGER: Glass filled nylon or glass filled polyester (PBT) (UL 94V-0), with internal o-ring seal standard.

SWITCH SUPPORT: Brass or steel, matte-tin plated.

SWITCH SUPPORT RETAINER: Stainless steel.

END CONTACTS: Q contact material: Coin silver, silver plated. See A-50 for additional ratings.

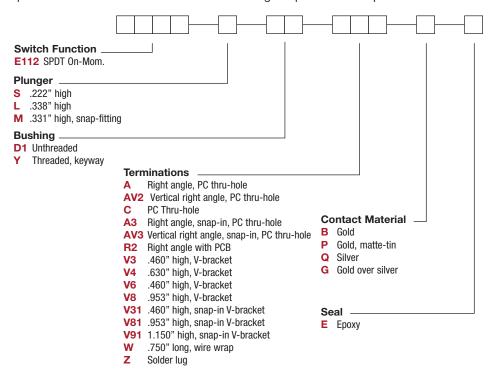
CENTER CONTACTS & ALL TERMINALS: Q contact material: Copper alloy, silver plated. See page A-50 for additional ratings.

TERMINAL SEAL: Epoxy.

HARDWARE: Nut & locking ring-Brass, nickel plated. Lockwasher-Steel, nickel plated.

Build-A-Switch

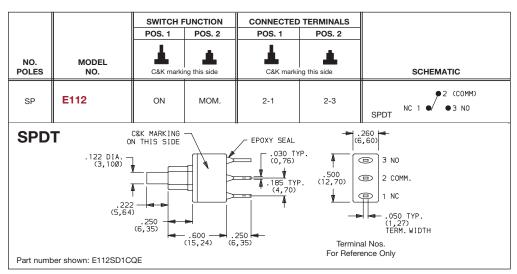
To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages A-47 thru A-51. For additional options not shown in catalog, consult Customer Service Center. All models are process sealed to withstand machine soldering temperatures and pressure wash cleaning methods.



A-46



SWITCH FUNCTION

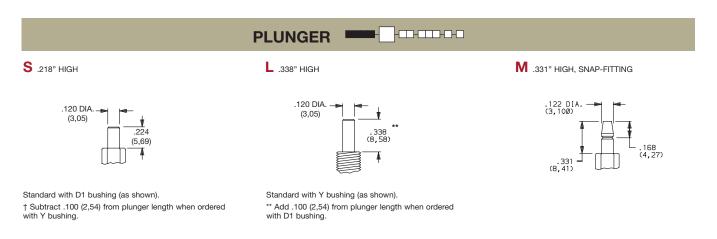


MOM. = Momentary

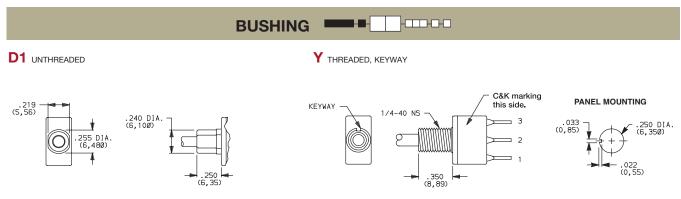
All models



with all options when ordered with G or Q contact material.



NOTE: Caps available for all plunger options, see pages A-50 and A-51.

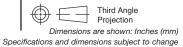


S plunger standard with D1 bushing.

L plunger standard with Y bushing. Available only with C, Z terminations. Hardware: One dress nut part number 299D01201, one hex nut and lockwasher supplied standard. Withstands 4 in./lbs. without distortion.



NOTE: Internal o-ring actuator seal standard for all bushing options.



E010 Series

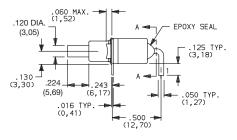
Sealed Momentary Pushbutton Switches

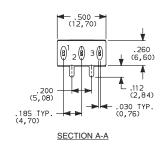
TERMINATIONS PC THRU-HOLE SOLDER LUG WIRE WRAP PC MOUNTING EPOXY SEAL EPOXY SEAL .073 DIA. (1,850) TYP .155 .250 (6,35) .189 .750 .030 THK. (19,05).030 THK. .050 SPDT **SPDT SPDT** Not available with P contact materials.

RIGHT ANGLE, PC THRU-HOLE



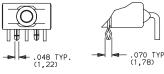


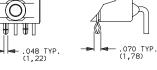


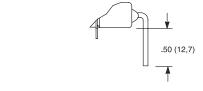


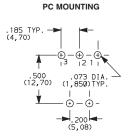
RIGHT ANGLE, SNAP-IN, PC THRU-HOLE

RIGHT ANGLE, EXTENDED, PC THRU-HOLE









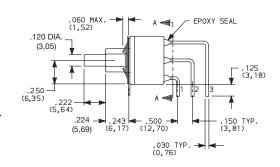
AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE, .150" PITCH

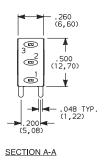
NOTE: Terminal bend radii and lead-in manufacturing option.



Available with D1 bushing only.



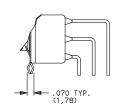


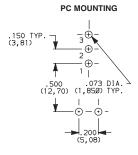


AV3 VERTICAL RIGHT ANGLE, SNAP-IN, PC THRU-HOLE,



NOTE: Terminal bend radii and lead-in manufacturing option. Available with D1 bushing only.



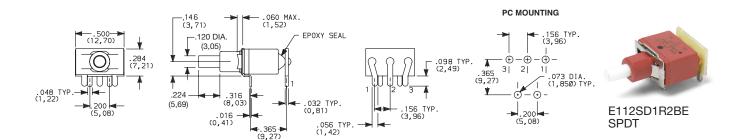






TERMINATIONS ---

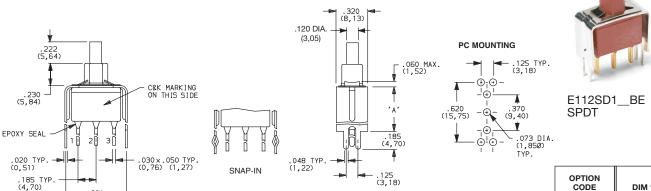
RIGHT ANGLE WITH PCB



NOTE: Available with D1 bushing and B contact material only.

V3, V4 VERTICAL MOUNT, V-BRACKET

V31, V91 VERTICAL MOUNT, V-BRACKET, SNAP-IN



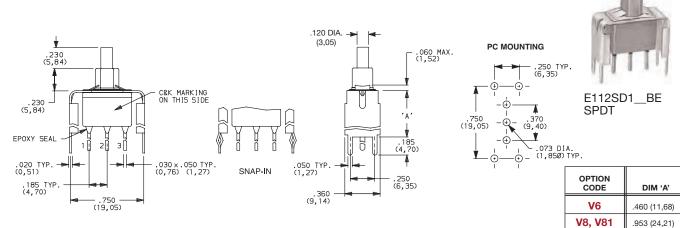


OPTION CODE	DIM 'A'	
V3, V31	.460 (11,68)	
V 4	.630 (16,00)	
V 91	1.150 (29,21)	

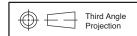
NOTE: Available with D1 bushing only.

VERTICAL MOUNT, V-BRACKET

VERTICAL MOUNT, V-BRACKET, SNAP-IN



NOTE: Available with D1 bushing only.





CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
В	GOLD ¹	GOLD ¹		
Р		MATTE-TIN 6	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
Q	SILVER ^{4,5}	SILVER 5	POWER	4 AMPS @ 125 V AC 0R 28 V DC.
G	GOLD OVER SILVER ^{2,3}	GOLD ³	LOW LEVEL/DRY CIRCUIT OR POWER	0.4 VA MAX. @ 20 V AC OR DC MAX. OR 4 AMPS @ 125 V AC 0R 28 V DC.

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

- ¹ CONTACTS & TERMINALS: Copper alloy, with gold plate over nickel plate.
- 2 END CONTACTS: Coin silver, with gold plate over nickel plate.
- ³ CENTER CONTACTS & ALL TERMINALS: Coin silver, with gold plate over nickel plate.
- ⁴ END CONTACTS: Coin silver, silver plated.
- $^{\rm 5}$ CENTER CONTACTS & ALL TERMINALS: Copper alloy, silver plated.
- ⁶ TERMINALS: Copper alloy, with matte-tin over nickel plate.

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

All models calls with all options when ordered with G or Q contact material.

B contact material standard with all terminations except C, Z.

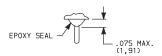
B contact material must be ordered with R2 terminations.

Q contact material standard with C, Z terminations.

P contact materials not available with Z terminations.



EPOXY SEAL



AVAILABLE HARDWARE Cap Cap Cap .310 DIA. .375 DIA. .200 DIA. (7,87ø) (9,53ø) .138 (5,08ø) (3,05) .250 (6,35).250-- 120 155 (3,94) PART NO. PART NO. PART NO. 708901000 WHITE 752701000 WHITE 801801000 WHITE 801802000 BLACK 708902000 BLACK 752702000 BLACK 708903000 RED 752703000 RED 801803000 RED Material: Nylon Material: Nylon Material: Nylon Finish: Gloss Finish: Gloss Finish: Gloss

NOTE: Additional nuts, locking rings and lockwashers available separately, see section "Technical Data and Additional Hardware". Other cap colors available, consult Customer Service Center.





AVAILABLE HARDWARE

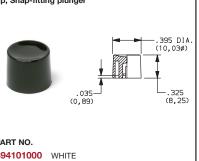


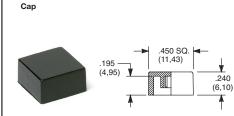


Material: Nylon Finish: Gloss

452D03000 RED







PART NO. 484601000 WHITE 484602000 BLACK 484603000 RED

Material: Nylon Finish: Gloss

PART NO. 798201000 WHITE 798202263 BLACK **798203000** RED

Material: Nylon

Finish: Matte

NOTE: Additional nuts, locking rings and lockwashers available separately, see section "Technical Data and Additional Hardware". Other cap colors available, consult Customer Service Center.

Frames snap into panel opening and are independent from switch mounting. Accurate positioning of the PC mounted switch relative to the panel opening is necessary to provide proper clearance between actuator and frame. Available in two basic styles and four panel thicknesses .047-.125 in. Material: Nylon. Finish: Matte.

Material: Nylon

Finish: Gloss

TYPICAL APPLICATION

.090" (2,29) PANEL THK.

.125" (3,18) PANEL THK.

PART NO.

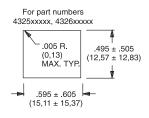
432702263

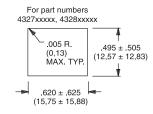
432802263 BLACK





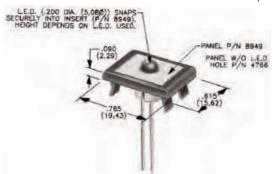
PANEL MOUNTING





Panel Inserts

Above frames (part nos. 432XXXXXX) are also available with insert which accepts LED for indicator light assembly. Order insert separately from frame. Blank insert panel (without hole for LED) also available. LED not included.



PANEL INSERT WITH HOLE FOR LED BLANK PANEL INSERT WITHOUT HOLE FOR LED

PART NO.

PART NO.

894902000

476602000

BLACK

Special colors, custom markings available, consult Customer Service Center.





X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Pushbutton Switches category:

Click to view products by C&K manufacturer:

Other Similar products are found below:

8940K2012 LW1L-M1C10V-A LW1L-M1C70-A LW2L-A1C20M-GD LW2L-M1C20M-A 60324L M22-D-R-GB0/K11 M7E-HRN2 67021K512 67081K512X 701PB580 7199K101 810K12910 810KSV30B MML21EA2ADK MML21KA3ABK MML23KA3AC05K-001 MML23KW3AA01W 8418K2 8442K3 8450K1 860K11911T01A 861901 861K11911T01A07 861K13810T00A14 861K13911 8646AB6X718UL 8646ABUL 9001KXRK 907AYY100 PMHD155A1 9533CD4+U574+U4922 95-414.000 99-450.837 99-453.837 PV3H2B0NN-341 1203MRA A22NZBGANGA A22NZBNANGA A22NZMPATRA A2PMA1X03EC56 A3A-5123-02 A3A-7140 A3A-7310 A3A-7340 A3U-TMW-A2C-5M A595 12037A2ULCSA ABD122N-B 1211390004