

Features/Benefits

- Long travel
- Available with LED
- Long life contact design
- Epoxy terminial seal compatabile with bottom wash cleaning
- RoHS compliant models available

Typical Applications

- Instrumentation
- Computers and peripherals
- Telecommunications and networking equipment



Specifications

CONTACT RATING: Q contact material: 6 AMPS @ 120 V AC or 28 V DC; 3 AMPS @ 250 V AC. See page A-57 for additional ratings.

ELECTRICAL LIFE: 50,000 make-and-break cycles at full load.

CONTACT RESISTANCE: Below 20 mΩ typ. initial @

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

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

DIELECTRIC STRENGTH: 1.000 Vrms min. @ sea level.

OPERATING TEMPERATURE: -30°C to 65°C

SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).

CAP INSTALLATION FORCE: 10 lbs. maximum permissible.

NOTE: Any models supplied with P, R, S, Q, B or G contact material are RoHS compliant. For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

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: Glass filled nylon 6/6 or diallyl phthalate (DAP), flame retardant (UL 94V-0).

PLUNGER: S, S1, S2 Options: Glass filled nylon or glass filled polyester (PBT) (UL 94V-0). L, L1 Options: Brass, nickel plated.

CAP & FRAME: Nylon, black standard.
BUSHING: Brass or zinc, nickel plated.

HOUSING: Stainless steel.

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

END CONTACTS: Q contact material: Coin silver, silver plated. See page A-57 for additional contact materials.

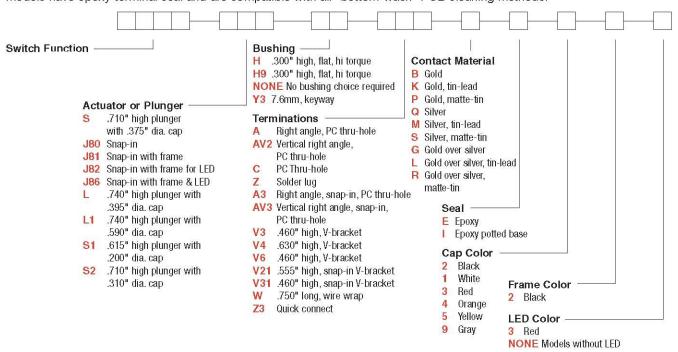
CENTER CONTACT & ALL TERMINALS: Q contact material: Copper alloy, silver plated. See page A-57 for additional contact materials.

TERMINAL SEAL: Epoxy. Refer to soldering and cleaning in Technical Data Chapter.

HARDWARE: Nut & Locking Ring: Brass, nickel plated; Lockwasher: Steel, nickel plated.

Build-A-Switch

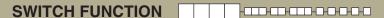
To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages A-51 thru A-59. For additional options not shown in catalog, consult Customer Service Center. All models have epoxy terminal seal and are compatible with all "bottom-wash" PCB cleaning methods.

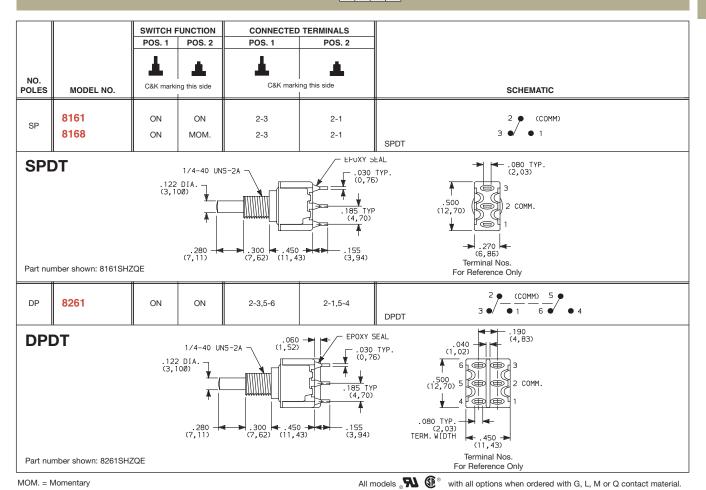


A-50









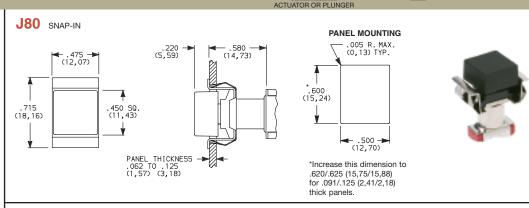
ACTUATOR—SNAP-IN FRONT MOUNT

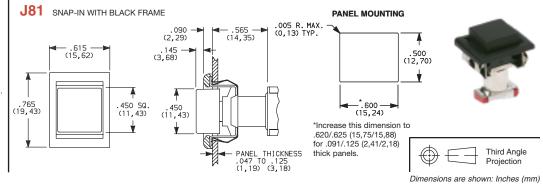
OPTION CODE	CAP COLOR
2	BLACK
1	WHITE
3	RED
4	ORANGE
5	YELLOW
9	GRAY

Cap Finish: matte.
Other colors available, consult
Customer Service Center.

Available with C, W, Z or Z3 terminations.

NOTE: Caps & frames available separately, see pages A-58 and A-59.





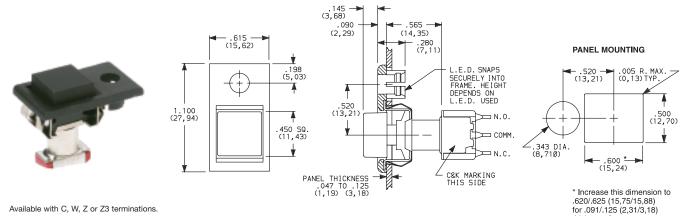


Specifications and dimensions subject to change



ACTUATOR—SNAP-IN FRONT MOUNT

J82 SNAP-IN WITH BLACK FRAME FOR LED



Available with C, W, Z or Z3 terminations.

LED not included.

For LED information, see page A-59.

NOTE: Caps & frames available separately, see pages A-58 and A-59.

Other colors available, consult

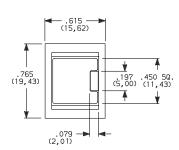
OPTION CODE	CAP COLOR
2	BLACK
1	WHITE
3	RED
4	ORANGE
5	YELLOW
9	GRAY

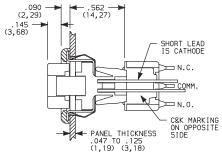
ACTUATOR—SNAP-IN FRONT MOUNT

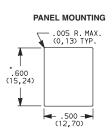
J86 SNAP-IN WITH BLACK FRAME AND LED



8161J86ZQE223 **SPDT**







* Increase this dimension to .620/.625 (15,75/15,88) for .091/.125 (2,31/3,18)

Available with C, W, Z or Z3 terminations and SPDT models only.

NOTE: Caps & frames available separately, see pages A-58 and A-59.

Other colors available, consult Customer Service Center.

OPTION CODE	CAP COLOR
2	BLACK
1	WHITE
3	RED
4	ORANGE
5	YELLOW
9	GRAY

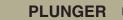
OPTION CODE	LED COLOR	
3	RED	

For LED information, see page A-59.

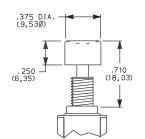




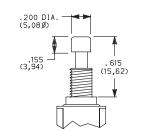




S2 PLUNGER WITH CAP P/N 8018

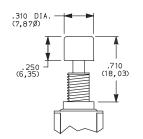


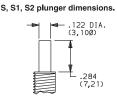
PLUNGER WITH CAP P/N 7527



PLUNGER WITH CAP P/N 8940

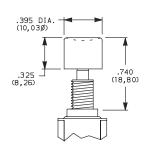
PLUNGER WITH CAP P/N 7089

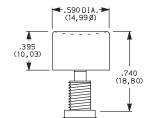




Plunger material: Glass filled nylon or glass filled polyester (ÚL 94V-0).

PLUNGER WITH CAP P/N 8941





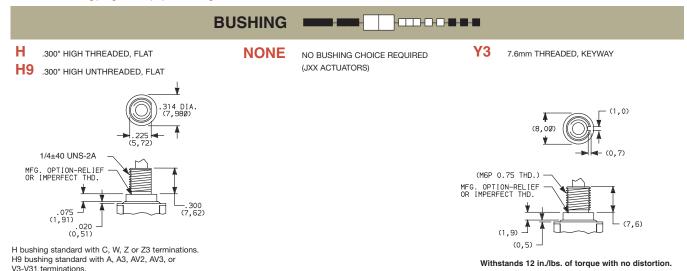
L, L1 plunger dimensions. .328 .175 (4,45)

OPTION CODE CAP COLOR 2 BLACK 1 WHITE 3 RFD 4 ORANGE 5 YFLLOW 9

Plunger Material: Brass, chrome plated.

Other colors available, consult Customer

NOTE: When selecting plunger and cap option, bushing selection must also be made, see below.

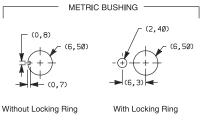


Withstands 12 in./lbs. of torque with no distortion.

NOTE: When selecting bushing option, plunger selection must also be made, see above. No bushing option choice required when any JXX actuator option is selected.

PANEL MOUNTING 1/4 IN. BUSHING .094 DIA. (2.390) .250 DIA. (6,350) Without Locking Ring With Standard Locking Ring With Small Locking Ring

NOTE. Two mounting nuts, locking ring and lockwasher supplied standard with threaded bushings. Optional mounting nut and locking ring styles and finishes available, see section "Technical Data and Additional Hardware".

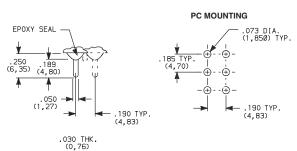




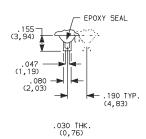


TERMINATIONS

PC THRU-HOLE



SOLDER LUG

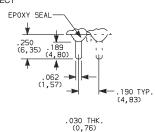


SPDT and DPDT

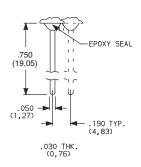
SPDT and DPDT

Not available with P, S, R, K, L, or M contact material.

Z3 QUICK CONNECT



WIRE WRAP



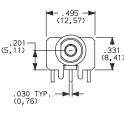
SPDT and DPDT

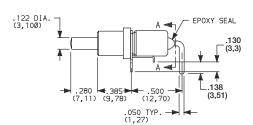
Not available with P, S, R, K, L, or M contact material. Mating quick connector available; order part number 530100000, page A-59.

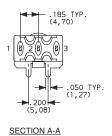
SPDT and DPDT

RIGHT ANGLE, PC THRU-HOLE









8161SH9ABE2 **SPDT**

A3 RIGHT ANGLE, SNAP-IN, PC THRU-HOLE



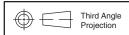


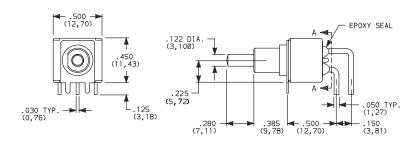
PC MOUNTING

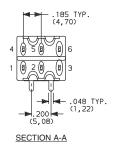
NOTE: PC pattern must clear switch support leg.

Not available with I seal. Terminal bend radii and lead-in manufacturing option.





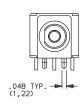


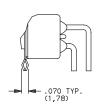


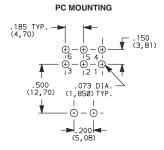


8261SH9ABE2 **DPDT**

RIGHT ANGLE, SNAP-IN, PC THRU-HOLE

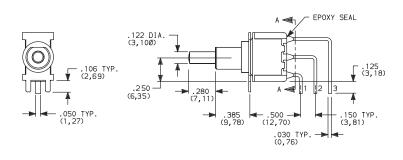


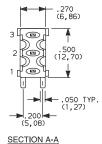




Not available with I seal Terminal bend radii and lead-in manufacturing option.

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



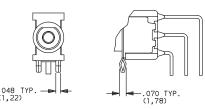


PC MOUNTING



8161SH9AV2BE2 **SPDT**

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



.500 .073 DIA. (12,70) (1,850) TYP. (5,08)

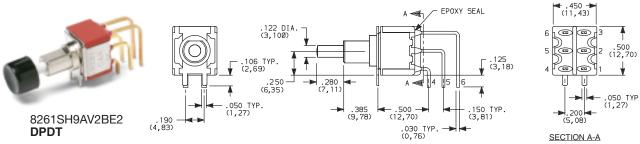
Not available with I seal. Terminal bend radii and lead-in manufacturing option.



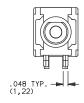


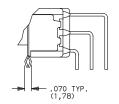


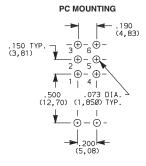




AV3 VERTICAL RIGHT ANGLE, SNAP-IN, PC THRU-HOLE, .150" PITCH



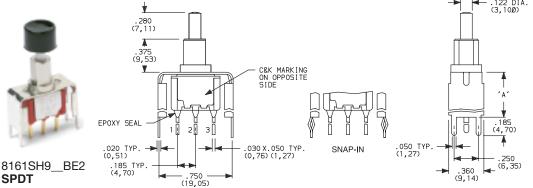


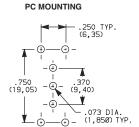


Not available with I seal. Terminal bend radii and lead-in manufacturing option.







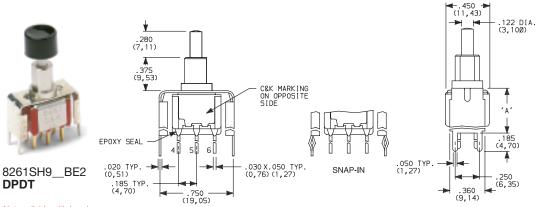


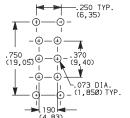
OPTION CODE	DIM 'A'	
V21	.555 (14,10)	
V6	.460 (11,68)	

Not available with I seal.









PC MOUNTING

OPTION CODE	DIM 'A'	
V21	.555 (14,10)	
V6	.460 (11,68)	

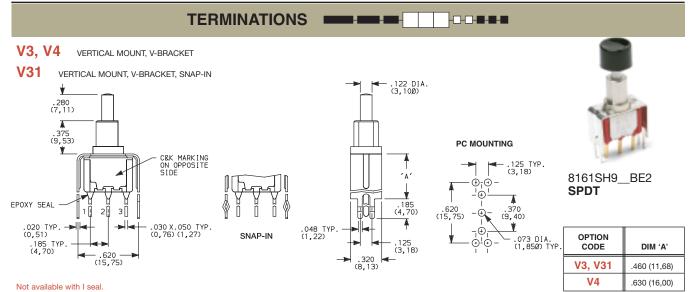
Not available with I seal.

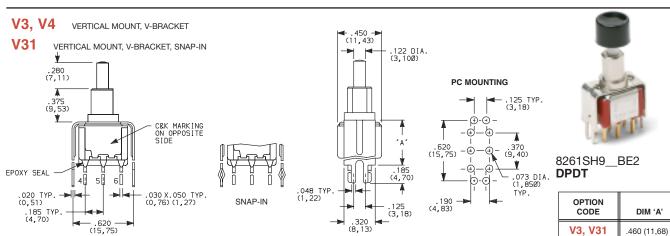




Alternate Action and Momentary Pushbutton Switches

C&K 8060 Series





CONTACT MATERIAL

OPTION CODE	RoHS COMPLIANT *	RoHS COMPATIBLE *	CONTACT MATERIAL	TERMINAL PLATING	RATINGS		
В	YES	YES		GOLD ¹			
K	NO	YES	GOLD ¹	TIN-LEAD 6	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.	
Р	YES	YES		MATTE-TIN ⁷			
Q	YES	YES		SILVER 5	POWER	6 AMPS @ 120 V AC OR 28 V DC; 3 AMPS @ 250 V AC.	
M	NO	YES	SILVER 4,5	TIN-LEAD ⁶			
S	YES	YES		MATTE-TIN ⁷		6 7 mm 6 6 266 7 7 m.	
G	YES	YES		GOLD 3		0.4 VA MAX @ 20 V AC OR DC MAX. OR	
L	NO	YES	GOLD OVER SILVER ^{2,3}	TIN-LEAD 6	LOW LEVEL/DRY CIRCUIT OR POWER	6 AMPS @ 120 V AC OR 28 V DC;	
R	YES	YES	SILVER 2,0	MATTE-TIN ⁷		3 AMPS @ 250 V AC.	

^{*} 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: Copper alloy, with gold plate over nickel plate.
- ⁴ END CONTACTS: Coin silver, silver plated.
- $^{\rm 5}$ CENTER CONTACT & ALL TERMINALS: Copper alloy, silver plated.
- ⁶ TERMINALS: Copper alloy, with tin-lead alloy over nickel plate.
- ⁷ TERMINALS: Copper alloy, with matte-tin over nickel plate.

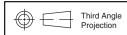
NOTE: Any models supplied with P, S, R,Q, B or G contact material are RoHS compliant. For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

All models Name with all options when ordered with S, R, G, L, M or Q

B contact material standard with all terminations except C, Z & Z3.

Q contact material standard with C, Z & Z3 terminations.

P, S, R, K, L & M contact materials not available with Z & Z3 terminations.



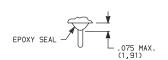
Dimensions are shown: Inches (mm) Specifications and dimensions subject to change

۷4

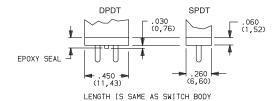
.630 (16,00)



EPOXY SEAL

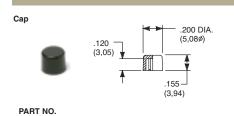


EPOXY POTTED BASE



NOTE: Available with C. W. Z. Z3 terminations only

AVAILABLE HARDWARE



708901000 WHITE 708902000 BLACK 708903000 RFD 708904000 ORANGE 708905000 YELLOW

GRAY

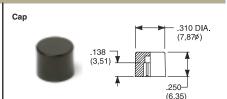
708909000 Material: Nylon Finish: Gloss

Сар 375 DIA (9,53ø) 250 (6,35) 120 (3,05)

PART NO. 752701000

WHITE 752702000 BLACK 752703000 RFD 752704000 ORANGE 752705000 YELLOW 752709000 GRAY

Material: Nylon Finish: Gloss

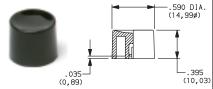


PART NO.

801801000 WHITE 801802000 BLACK 801803000 RFD 801804000 ORANGE 801805000 YELLOW 801809000 GRAY

Material: Nylon Finish: Gloss

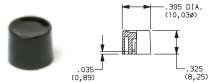
Cap, Snap-fitting plunger



PART NO. 894001000 WHITE 894002000 BLACK 894003000 RED 894004000 ORANGE 894005000 YELLOW 894009000 GRAY

Material: Nylon Finish: Gloss

Cap, Snap-fitting plunger

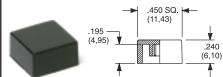


PART NO.

894101000 WHITE 894102000 BLACK 894103000 RED 894104000 ORANGE 894105000 YELLOW 894109000 GRAY

Material: Nylon Finish: Gloss

Cap, J80, J81 & J82 options only



PART NO.

484601000 WHITE 484602000 BLACK 484603000 RED 484604000 ORANGE 484605000 YELLOW 484609000

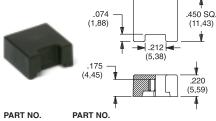
Material: Nylon Finish: Gloss

PART NO. 798201000

WHITE 798202263 BLACK 798203000 RED 798204000 ORANGE 798205000 YELLOW 798209000 GRAY

Material: Nylon Finish: Matte

Cap, J86 & J96 options only



459701000 459702000 459703000 459704000 459705000 459709000

Material: Nylon Finish: Gloss

476801000 WHITE 476802000 BLACK 476803000 RED

476804000 ORANGE 476805000 YELLOW 476809000

Material: Nylon Finish: Matte

Frame



PART NO.

Finish: Matte

615602263 BLACK Material: Nylon

Frame



PART NO.

613302263 BLACK

Material: Nylon Finish: Matte

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







AVAILABLE HARDWARE

Fits Z3 Termination female connector

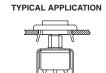
PART NO.

530100000

Available in loose pieces.



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.





.047" (1,19) PANEL THK. .062" (1,57) PANEL THK. .090" (2,29) PANEL THK. .125" (3,18) PANEL THK.

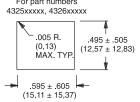
PART NO. PART NO. PART NO. PART NO.

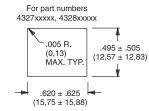
432502263 432602263 432702263 432802263 BLACK

PANEL MOUNTING

For part numbers

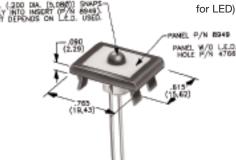
43257





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.

LED INFORMATION

SWITCHES WITH LED SUPPLIED: J86 OPTION:

Rectangular LEDs are supplied on 8060 Series pushbutton switches with J86 option. These LEDs are factory installed and are not replaceable. The following specifications apply:

			TYP.	TYP.	MAX RAT	INGS AT 25°C AMBIENT T	EMPERATURE
OPTION CODE	COLOR	TYP. INTENSITY	FORWARD VOLTAGE	FORWARD CURRENT	FORWARD VOLTAGE	CONTINUOUS FORWARD CURRENT	POWER DISSIPATION
6	Green	1.0 mcd		20 mA		50 mA	125 mW
3	Red*	0.5 mcd	2.1 V	10 mA	2.5 V	30 mA	75 mW
5	Yellow	4.0 mcd		20 mA		50 mA	125 mW

Flat denotes 200 DIA. TYP. (0,63) (5,08") .230 DIA. (5,84") .340 (8,64) .750 (19,05)

Suggested LED for J82 & J84 options. Dimensions for reference only.

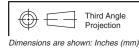
Process Information: Soldering to LED leads must be completed within 5 seconds at 500°F (260°C) maximum.

Caution: Circuit elements must limit forward current of LED to 50mA max. continuous.

* Extra-bright red LED available (typ. intensity 4.5 mcd), consult Customer Service Center.

LEDs are not supplied with J82 & J84 options. LED snaps into switch frame surrounding actuator and is wired externally.





Features/Benefits

- Process sealed with disposable splashproof boot
- Long life contact design
- Snap-fitting plunger available
- RoHS compliant models available

Typical Applications

- Instrumentation
- Telecommunications and networking equipment
- · Computers and peripherals





Specifications

CONTACT RATING: B contact material (EX25 Models): 0.4 VA max. @ 20 V AC or DC max. G contact material (EX21 Models): 1 AMP @120 V AC or 28 V DC or 0.4 VA max. @ 20 V AC or DC max. Note: Break-before-make contacts. Multi-pole contacts do not make and break simultaneously. See page A-24 for additional ratings.

ELECTRICAL LIFE: 60,000 make-and-break cycles at full load.

CONTACT RESISTANCE: Below 50 mΩ 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.

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

CAP INSTALLATION FORCE: 10 lbs. max. permissible.

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

NOTE: Any models supplied with P, R, B or G contact material are RoHS compliant. For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches9consult 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).

SWITCH SUPPORT: Brass or steel, matte-tin.

SWITCH SUPPORT RETAINER: Stainless steel.

N.O. & N.C. CONTACTS: EX25 MODELS: B contact material: Copper alloy, with gold plate over nickel plate. EX21 MODELS: G contact material: Coin silver, with gold plate over nickel plate. See page A-28 for additional contact materials.

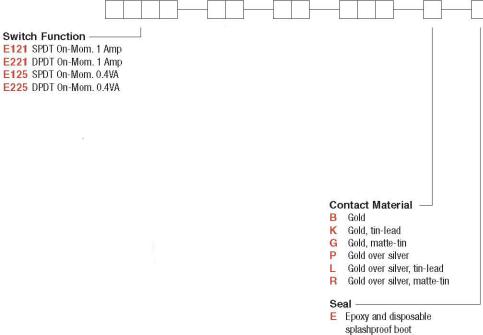
COMMON CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate. See page A-24 for additional contact materials.

TERMINAL SEAL: Epoxy.

DISPOSABLE BOOT: Vinyl splashproof boot supplied standard. Remove and discard only after soldering and cleaning processes are complete.

Build-A-Switch

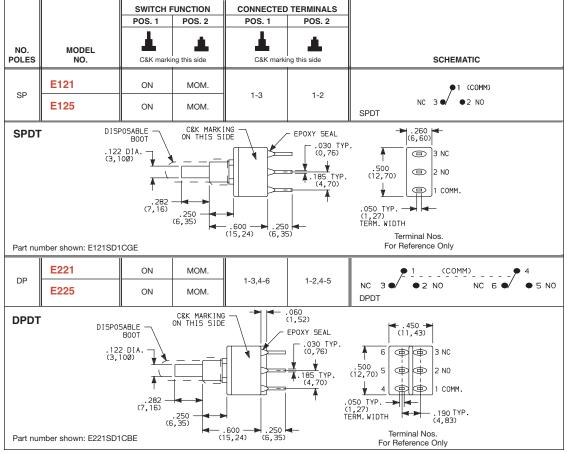
To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages A-20 thru A-26. For additional options not shown in catalog, consult our Customer Service Center. All models are process sealed to withstand machine soldering temperatures and pressure wash cleaning methods.







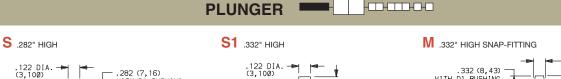
SWITCH FUNCTION



E121, E221 models ** with all options when ordered with G, L or R contact material.

EX25 models must be ordered with B, K or P contact material. EX21 models must be ordered with G, L or R contact material.

D3 .180" HIGH UNTHREADED



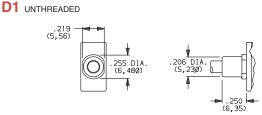
.282 (7,16) WITH D1 BUSHING .192 (4,88) WITH D3 BUSHING

.332 (8,43) Not Available with D1 bushing.

.122 DIA. (3,100) .332 (8,43) WITH D1 BUSHING .381 (9.68) WITH D3 BUSHING .168 (4,27)

NOTE: Caps available for all plunger options, see page A-25.

BUSHING



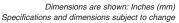
.255 DIA (6,480)

Not available with S1 actuator.



.200 (5,08)

NOTE: Disposable splashproof vinyl over actuator and bushing supplied std., see page A-24.

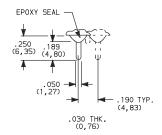


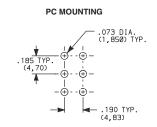




TERMINATIONS ----

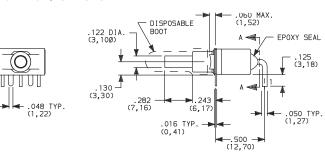
C PC THRU-HOLE

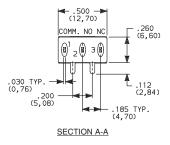




SPDT and DPDT

A RIGHT ANGLE, PC THRU-HOLE





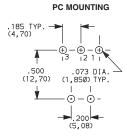


E121SD1AGE SPDT

A3 RIGHT ANGLE, SNAP-IN, PC THRU-HOLE

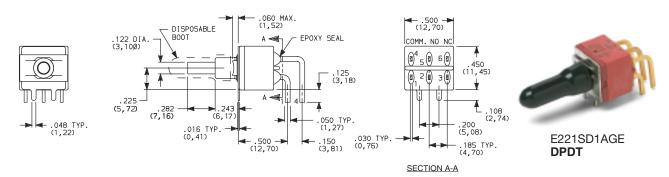






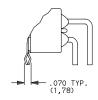
NOTE: Terminal bend radii and lead-in manufacturing option.

A RIGHT ANGLE, PC THRU-HOLE



A3 RIGHT ANGLE, SNAP-IN, PC THRU-HOLE





PC MOUNTING

.185 TYP.

.150

.150

.12 1

.500

.12,700

.1,850) TYP.

.200

.500

.500

.12,850) TYP.

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



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

Third Angle Projection



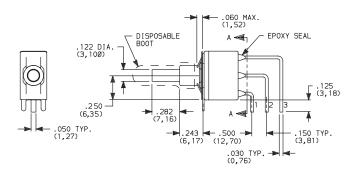
TERMINATIONS ---

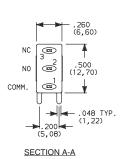
AV2

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



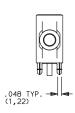
E121SD1AV2GE SPDT

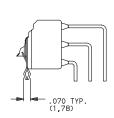


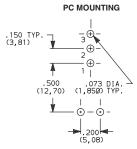


AV3

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



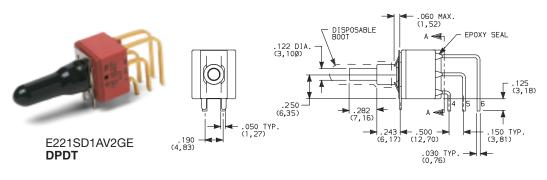


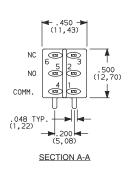


NOTE: Terminal bend radii and lead-in manufacturing option.

AV2

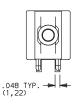
VERTICAL RIGHT ANGLE, PC THRU-HOLE, .150" PITCH

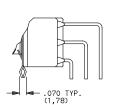


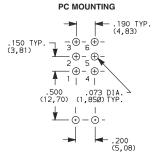


AV3

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







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



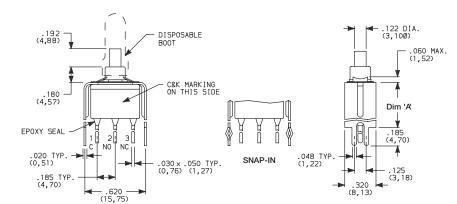
Third Angle Projection

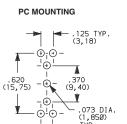
TERMINATIONS

V3, V4 VERTICAL MOUNT, V-BRACKET

VERTICAL MOUNT, V-BRACKET, SNAP-IN

V31, V41





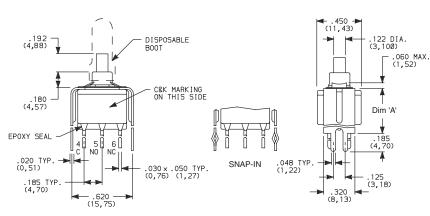


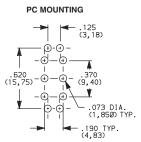
E121SD3 GE **SPDT**

OPTION CODE	DIM 'A'	
V3, V31	.460 (11,68)	
V4, V41	.630 (16,00)	

V3, V4 VERTICAL MOUNT, V-BRACKET

V31, V41 VERTICAL MOUNT, V-BRACKET, SNAP-IN





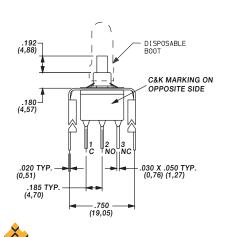


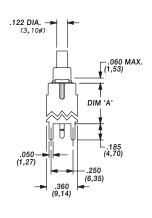
DPDT

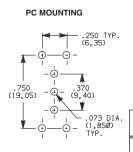
OPTION CODE	DIM 'A'	
V3, V31	.460 (11,68)	
V4, V41	.630 (16,00)	

V6, V8 VERTICAL MOUNT, V-BRACKET

V61, V81 VERTICAL MOUNT, V-BRACKET, SNAP-IN









E121SD3V_GE **SPDT**

OPTION CODE	DIM 'A'	
V6, V61	.460 (11,68)	
V8, V81	.953 (24,21)	



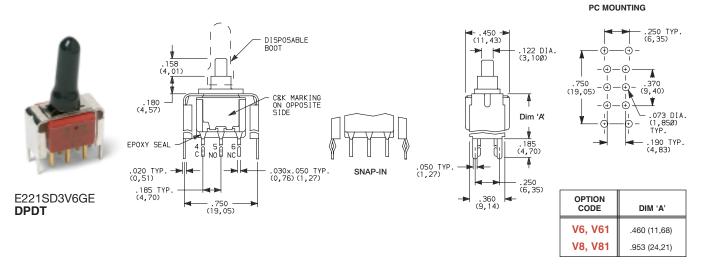
Third Angle Projection



TERMINATIONS ----

V6, V8 VERTICAL MOUNT, V-BRACKET

V61, V81 VERTICAL MOUNT, V-BRACKET, SNAP-IN



CONTACT MATERIAL

OPTION CODE	RoHS COMPLIANT *	RoHS COMPATIBLE *	CONTACT MATERIAL	TERMINAL PLATING		RATINGS
В	YES	YES		GOLD ¹		
K	NO	YES	GOLD ¹	TIN-LEAD ⁴	 	EX25 MODELS ONLY: 0.4 VA MAX. @ 20 V AC OR DC MAX.
Р	YES	YES		MATTE-TIN ⁵		
G	YES	YES	GOLD OVER	GOLD ³		5/84 MODELO ONIV. O 4/4 MAY O 22 V 40 OD
L	NO	YES	SILVER ^{2,3}	TIN-LEAD ⁴	LOW LEVEL/DRY CIRCUIT OR POWER	EX21 MODELS ONLY: 0.4 VA MAX @ 20 V AC OR DC MAX. OR 1 AMP @ 120 V AC OR 28 V DC.
R	YES	YES		MATTE-TIN ⁵		50 M/VC 011 17 M/M @ 120 V AO 011 20 V BO.

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

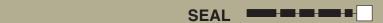
- ¹ CONTACTS & TERMINALS: Copper alloy, with gold plate over nickel plate.
- $^2\,\mbox{N.O.}$ AND N.C. CONTACTS: Coin silver, with gold plate over nickel plate.
- $^{\rm 3}$ COMMON CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.
- ⁴ TERMINALS: Copper alloy, with tin-lead alloy over nickel plate.
- ⁵ TERMINALS: Copper alloy, with matte-tin alloy over nickel plate.

NOTE: Any models supplied with P, R, B or G contact material are RoHS compliant. For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

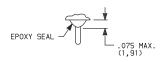
E121, E221 models **3** with all options when ordered with mandatory G, R or L contact material.

P, B or K contact material must be ordered with EX25 models.

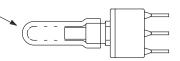
R, G or L contact material must be ordered with EX21 models.



E EPOXY SEAL AND DISPOSABLE SPLASHPROOF BOOT



Disposable splashproof boot supplied standard. Remove and discard boot *only after* soldering and cleaning processes are complete.

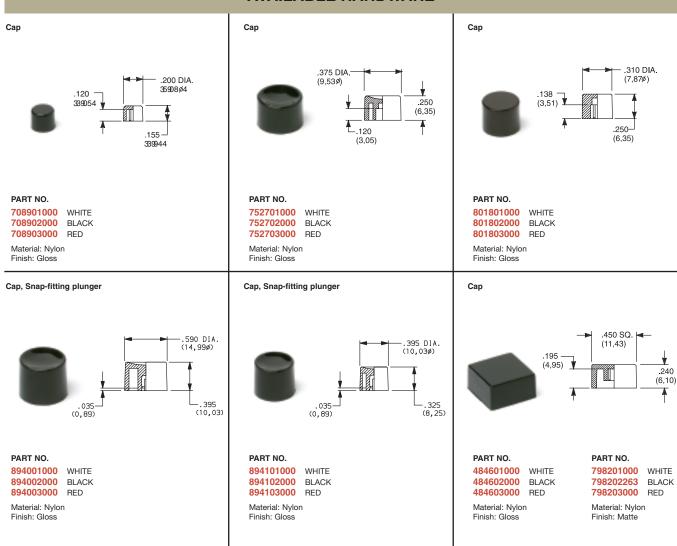








AVAILABLE HARDWARE



NOTE: Other cap colors available9consult Customer Service Center.

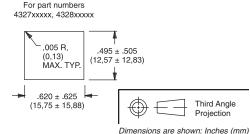
Frames snap into panel opening and are independent from switch mounting. Accurate positioning of the PC mounted switch relative to the panel opening is necessary to provide proper clearance between actuator and frame. Available in two basic styles and four panel thicknesses .047-.125 in. Material: Nylon.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





.047" (1,19) PANEL THK.062" (1,57) PANEL THK.090" (2,29) PANEL THK.125" (3,18) PANEL THK.

PART NO. PART NO. PART NO. PART NO. 432501000 432601000 432701000 432801000 WHITE 432502263 432602263 432702263 432802263 BLACK 432503000 432603000 432703000 432803000



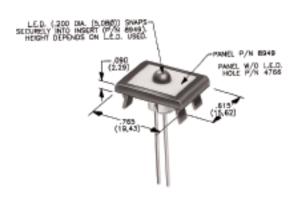




AVAILABLE HARDWARE

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. 47660100

894901000 894902000 894903000 **476601000** WHITE **476602000** BLACK **476603000** RED

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



