

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.

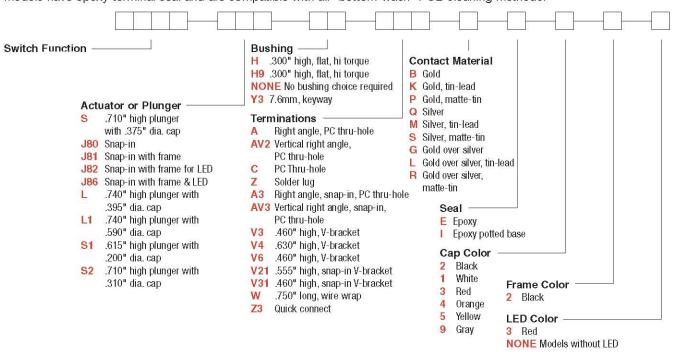
CENTER CONTACT & ALL TERMINALS: Q contact material: Copper alloy, silver plated. See page A-57 for additional contact materials.

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

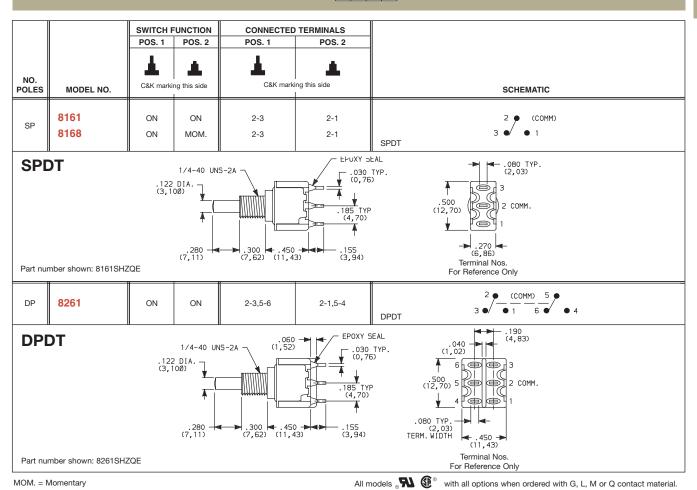
To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages A-51 thru A-59. For additional options not shown in catalog, consult Customer Service Center. All models have epoxy terminal seal and are compatible with all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











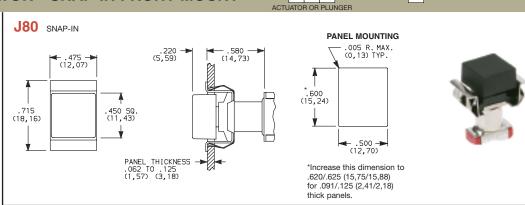
ACTUATOR—SNAP-IN FRONT MOUNT

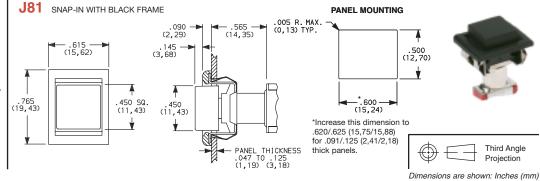
OPTION CODE	CAP COLOR	
2	BLACK	
1	WHITE	
3	RED	
4	ORANGE	
5	YELLOW	
9	GRAY	

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.





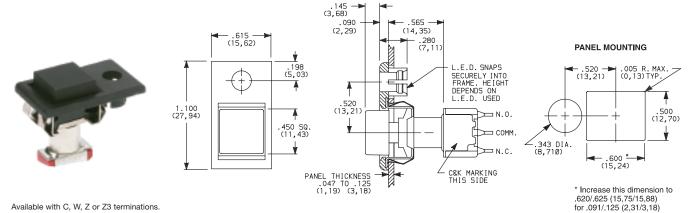


Specifications and dimensions subject to change



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 Customer Service Center.

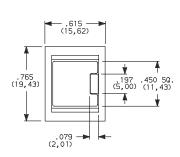
OPTION CODE	CAP COLOR
2	BLACK
1	WHITE
3	RED
4	ORANGE
5	YELLOW
9	GRAY

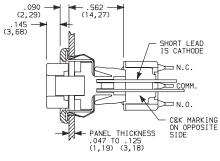
ACTUATOR—SNAP-IN FRONT MOUNT

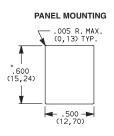
J86 SNAP-IN WITH BLACK FRAME AND LED



8161J86ZQE223 **SPDT**







thick panels.

* 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	

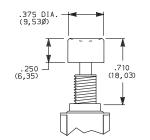
For LED information, see page A-59.

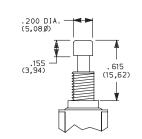


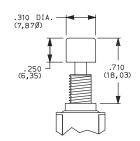


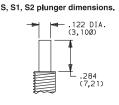






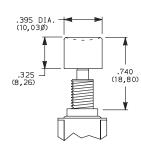


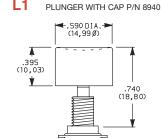




Plunger material: Glass filled nylon or glass filled polyester (UL 94V-0).

PLUNGER WITH CAP P/N 8941





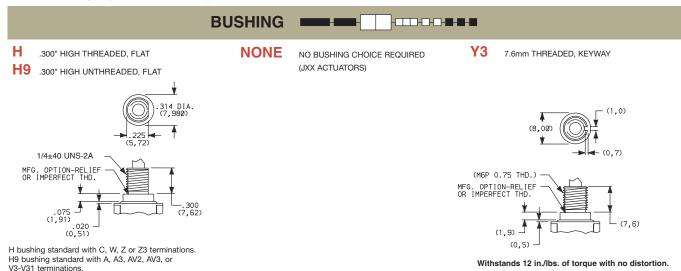
L, L1 plunger dimensions. .328 .175 (4,45)

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

Plunger Material: Brass. chrome plated.

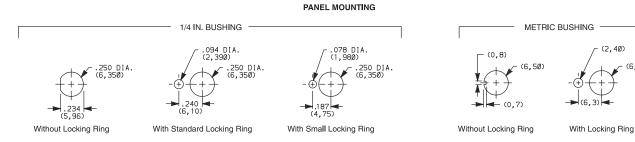
Cap Finish: gloss. Cap supplied not installed. Other colors available, consult Customer

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.



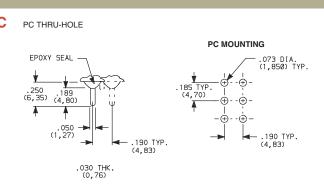
NOTE. Two mounting nuts, locking ring and lockwasher supplied standard with threaded bushings. Optional mounting nut and locking ring styles and finishes available, see section "Technical Data and Additional Hardware".



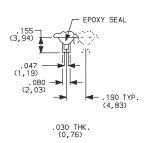
Dimensions are shown: Inches (mm) Specifications and dimensions subject to change

(6,50)

TERMINATIONS



SOLDER LUG

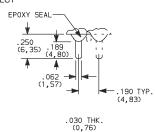


SPDT and DPDT

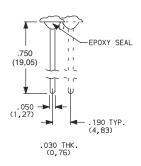
SPDT and DPDT

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

Z3 QUICK CONNECT



WIRE WRAP



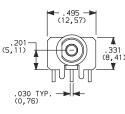
SPDT and DPDT

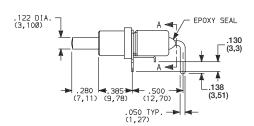
Not available with P, S, R, K, L, or M contact material. Mating quick connector available; order part number 530100000, page A-59.

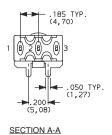
SPDT and DPDT

Α RIGHT ANGLE, PC THRU-HOLE









8161SH9ABE2 **SPDT**

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

Terminal bend radii and lead-in manufacturing option.





.185 TYP. (4,70)

PC MOUNTING

NOTE: PC pattern must clear switch support leg.



Not available with I seal.

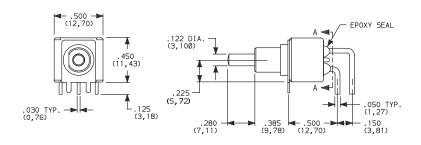


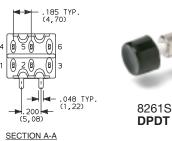


TERMINATIONS ----

-0-0----

RIGHT ANGLE, PC THRU-HOLE

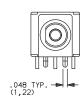


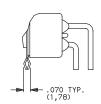


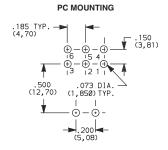


8261SH9ABE2

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

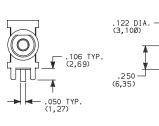


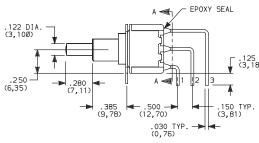


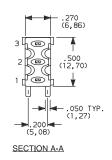


Not available with I seal. Terminal bend radii and lead-in manufacturing option.

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





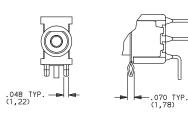


PC MOUNTING



8161SH9AV2BE2 **SPDT**

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



.150 TYP (3,81) ⊕-.500 .073 DIA. (12,70) (1,850) TYP. (5,08)

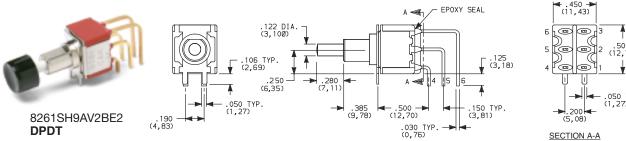
Not available with I seal. Terminal bend radii and lead-in manufacturing option.



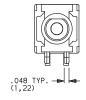


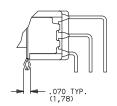


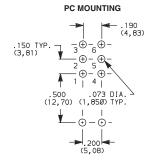
AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE, .150" PITCH



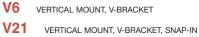
AV3 VERTICAL RIGHT ANGLE, SNAP-IN, PC THRU-HOLE, .150" PITCH

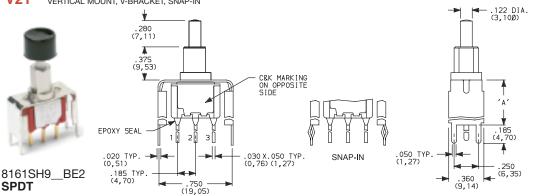


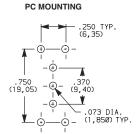




Not available with I seal. Terminal bend radii and lead-in manufacturing option.





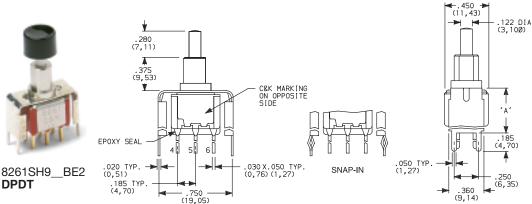


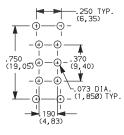
OPTION CODE	DIM 'A'	
V21	.555 (14,10)	
V6	.460 (11,68)	

Not available with I seal.









PC MOUNTING

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

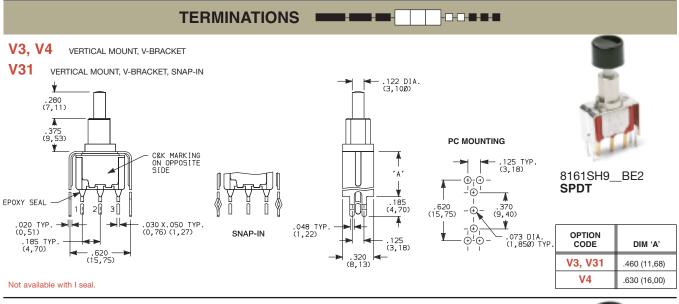
Not available with I seal.

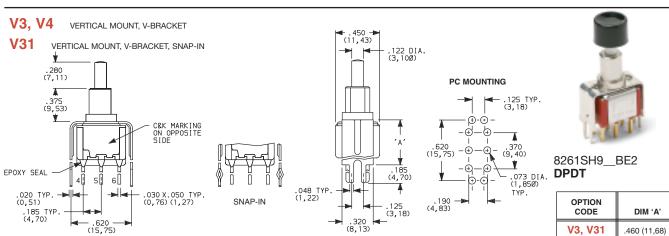




Alternate Action and Momentary Pushbutton Switches

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		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
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.

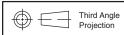
NOTE: Any models supplied with P, S, R,Q, B or G contact material are RoHS compliant. For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

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



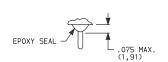
Not available with I seal.

.630 (16,00)

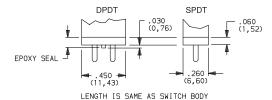


SEAL ----

EPOXY SEAL

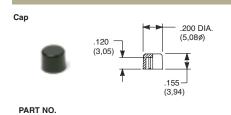


EPOXY POTTED BASE



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

AVAILABLE HARDWARE



708901000 WHITE 708902000 BLACK 708903000 RED 708904000 ORANGE 708905000 YELLOW

GRAY

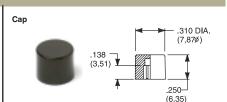
708909000 Material: Nylon Finish: Gloss

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

PART NO. 752701000 WHITE 752702000 BLACK 752703000 RED

752704000 ORANGE 752705000 YELLOW 752709000 GRAY

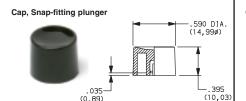
Material: Nylon Finish: Gloss



PART NO. 801801000 WHITE 801802000 BLACK

801803000 RED 801804000 ORANGE 801805000 YELLOW 801809000

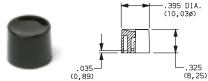
Material: Nylon Finish: Gloss



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

Material: Nylon Finish: Gloss

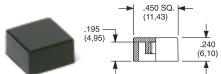
Cap, Snap-fitting plunger



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 ORANGE

484604000 484605000 YELLOW 484609000

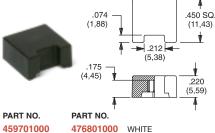
Material: Nylon Finish: Gloss

PART NO. 798201000

WHITE 798202263 BLACK 798203000 RED 798204000 ORANGE 798205000 YELLOW 798209000 GRAY

Material: Nylon Finish: Matte

Cap, J86 & J96 options only



459702000 459703000 459704000 459705000 459709000

Material: Nylon Finish: Gloss

476803000 RED 476804000 ORANGE 476805000 YELLOW 476809000 GRAY

BLACK

Material: Nylon Finish: Matte

476802000

Frame



PART NO. 615602263 BLACK

Material: Nylon Finish: Matte

Frame

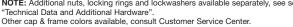


PART NO.

613302263 BLACK

Material: Nylon Finish: Matte

NOTE: Additional nuts, locking rings and lockwashers available separately, see section "Technical Data and Additional Hardware"







AVAILABLE HARDWARE

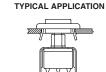
Fits Z3 Termination female connector

PART NO. 530100000

Available in loose pieces.



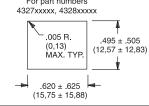
Frames snap into panel opening and are independent from switch mounting. Accurate positioning of the PC mounted switch relative to the panel opening is necessary to provide proper clearance between actuator and frame. Available in two basic styles and four panel thicknesses .047-.125 in. Material: Nylon.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





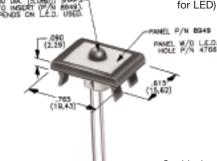
.047" (1,19) PANEL THK. .062" (1,57) PANEL THK. .090" (2,29) PANEL THK. .125" (3,18) PANEL THK. PART NO. PART NO. PART NO. PART NO 432502263 432602263 432702263 432802263 BLACK PANEL MOUNTING For part numbers For part numbers 4325xxxxx, 4326xxxxx 4327xxxxx, 4328xxxxx .005 R. .005 R. 495 ± .505 (12,57 ± 12,83) .495 ± .505 (12,57 ± 12,83) (0.13)(0.13)MAX. TYP. MAX. TYP

.595 ± .605 $(15,11 \pm 15,37)$



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 25ºC AMBIENT T	EMPERATURE] F
OPTION CODE	COLOR	TYP. INTENSITY	FORWARD VOLTAGE	FORWARD CURRENT	FORWARD VOLTAGE	CONTINUOUS FORWARD CURRENT	POWER DISSIPATION	c
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](

.025 SQ Flat denote .200 DIA TYP. (0,63) (5,08) .030 -(0,76) .230 DIA (5,84~) .750 (19,05) 340

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

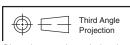
Process Information: Soldering to LED leads must be completed within 5 seconds at 500°F (260°C) maximum.

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.

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, 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.

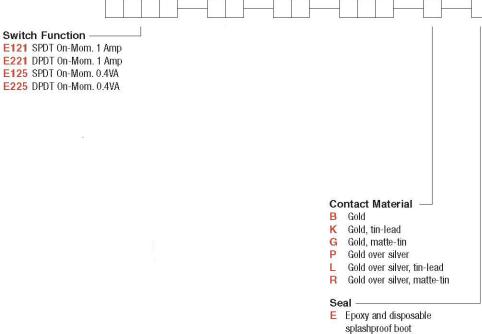
COMMON CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate. See page A-24 for additional contact materials.

TERMINAL SEAL: Epoxy.

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

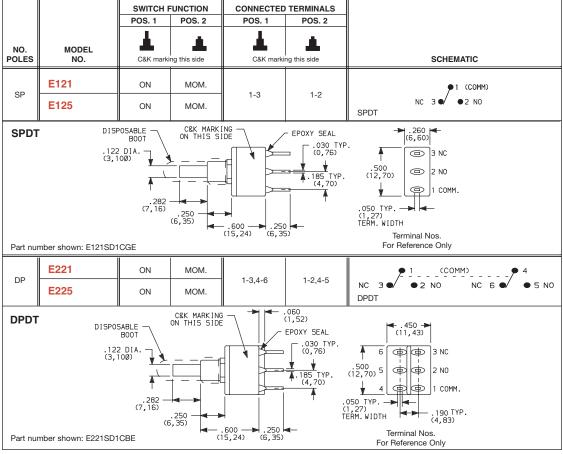
Build-A-Switch

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.





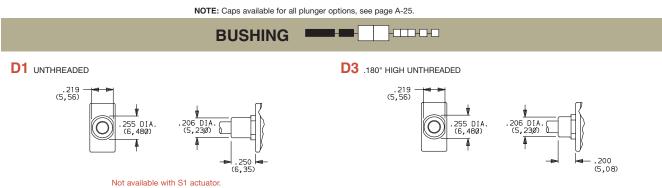




MOM. = Momentary
E121, E221 models ® with all options when ordered with G, L or R contact material.

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





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



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

.122 DIA. (3,100)

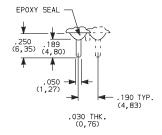
> .168 (4,27)

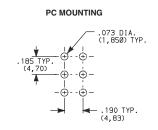




TERMINATIONS ----

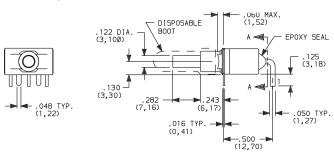
C PC THRU-HOLE

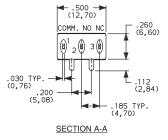




SPDT and DPDT

A RIGHT ANGLE, PC THRU-HOLE





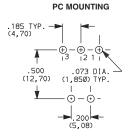


E121SD1AGE SPDT

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

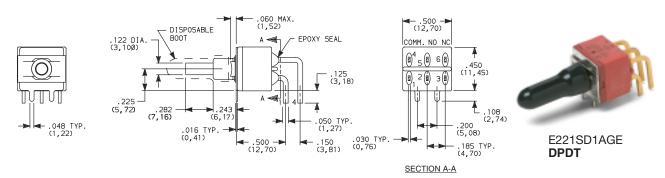






NOTE: Terminal bend radii and lead-in manufacturing option.

A RIGHT ANGLE, PC THRU-HOLE



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





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



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

Third Angle Projection



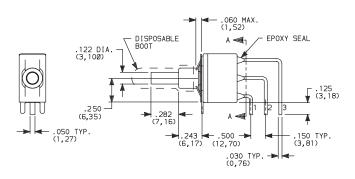
TERMINATIONS ---

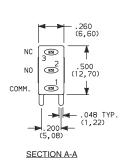
AV2

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



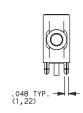
E121SD1AV2GE SPDT

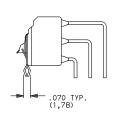


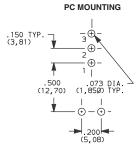


AV3

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



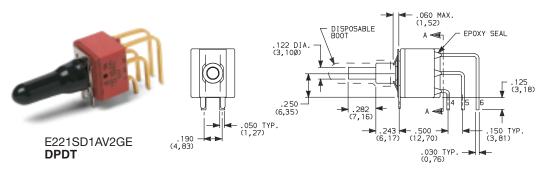


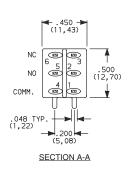


NOTE: Terminal bend radii and lead-in manufacturing option.

AV2

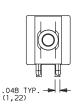
VERTICAL RIGHT ANGLE, PC THRU-HOLE, .150" PITCH



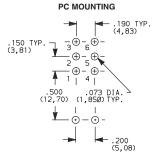


AV3

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



.070 TYP.



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

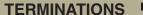


Third Angle Projection

.125 (3,18)

.320 (8,13)

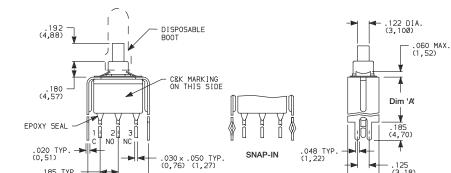




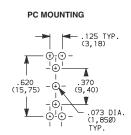
V3, V4 VERTICAL MOUNT, V-BRACKET

V31, V41

.185 TYP (4,70)



VERTICAL MOUNT, V-BRACKET, SNAP-IN





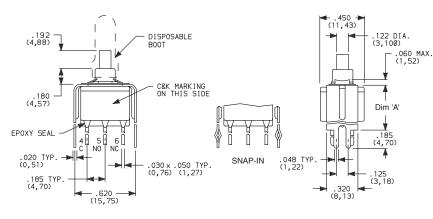
E121SD3 GE **SPDT**

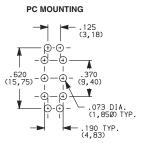
OPTION CODE	DIM 'A'	
V3, V31	.460 (11,68)	
V4, V41	.630 (16,00)	

V3, V4 VERTICAL MOUNT, V-BRACKET

- .620 -(15**,**75)

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







DPDT OPTION

DIM 'A'

.460 (11,68)

.630 (16,00)

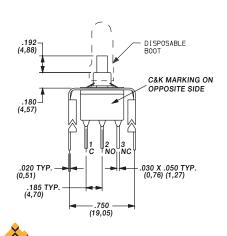
CODE

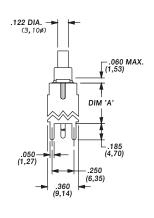
V3, V31

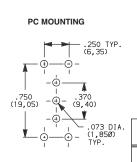
V4, V41

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)



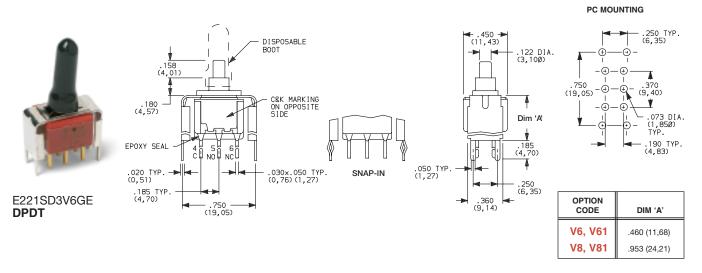
Third Angle Projection



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	LOW LEVEL/DRY CIRCUIT	EX25 MODELS ONLY: 0.4 VA MAX.
Р	YES	YES		MATTE-TIN ⁵		@ 20 V AC OR DC MAX.
G	YES	YES	GOLD OVER	GOLD ³		EVAL MODELO CHIVA O AVA MAY C CONTACTO
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		DO WIAM. OTT FAINT & 120 V AC OTT 20 V DO.

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

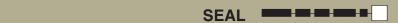
- ¹ CONTACTS & TERMINALS: Copper alloy, with gold plate over nickel plate.
- $^{2}\,\mathrm{N.O.}$ AND N.C. CONTACTS: Coin silver, with gold plate over nickel plate.
- $^{\rm 3}$ COMMON CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.
- $^{\rm 4}$ TERMINALS: Copper alloy, with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

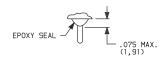
E121, E221 models $_{\odot}$ \mathbf{N} \mathbf{E}° with all options when ordered with mandatory G, R or L contact material.

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

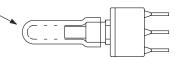
R, G or L contact material must be ordered with EX21 models.



E EPOXY SEAL AND DISPOSABLE SPLASHPROOF BOOT



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

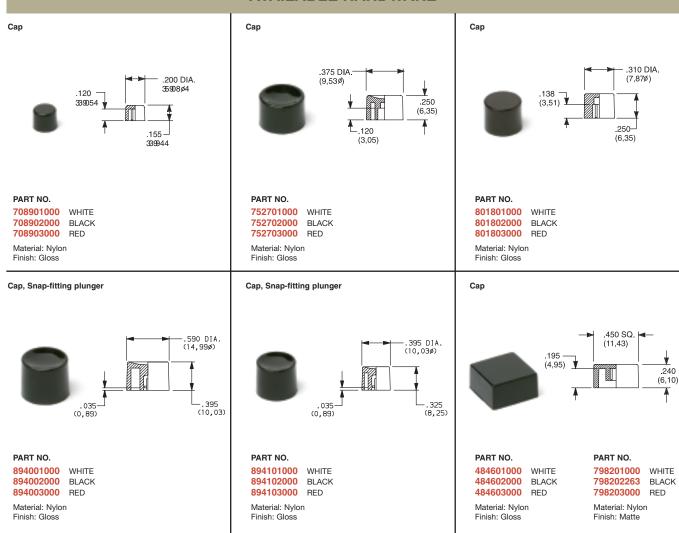








AVAILABLE HARDWARE



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. .06

For part numbers

.062" (1,57) PANEL THK.

.090" (2,29) PANEL THK.

.125" (3,18) PANEL THK.

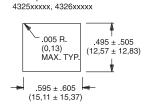
PART NO. PART NO. 432501000 432601000 432502263 432503000 432603000

432701000 432702263 432703000

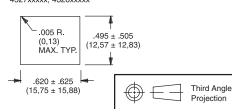
PART NO.

432801000 WHITE **432802263** BLACK **432803000** RED

PANEL MOUNTING



For part numbers 4327xxxxx, 4328xxxxx



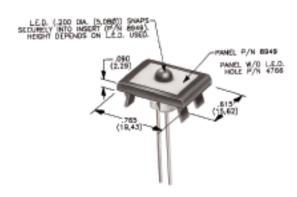




AVAILABLE HARDWARE

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.

894903000

894901000 894902000

PART NO.

476601000 WHITE 476602000 476603000 RED

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





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