

EN: This Datasheet is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

Features/Benefits

- Positive tactile feel
- Multi-positions available
- Wide variety of termination options
- Epoxy terminal seal compatible with bottom wash cleaning



Models Available

RoHS compliant models available

Typical Applications

- Instrumentation
- Computer peripherals
- Telecommunications equipment



Specifications

CONTACT RATING: B contact material (8X25 Models): 0.4 VA max. @ 20 V AC or DC maximum. G contact material (8X21, U8X1 Models): 1 AMP @ 120 V AC or 28 V DC or 0.4 VA max. @ 20 V AC or DC max. Note: Break-before-makecontacts. Multi-pole contacts do not make and break simultaneously. See page A-43 for additional ratings.

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

CONTACT RESISTANCE: Below 50 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: 1,000 Vrms min. @ sea level.

OPERATING TEMPERATURE: 8X2X MODELS: -30°C to 75°C.

U8X1 MODELS: -30°C to 65°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 B, P, R, 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: Glass filled nylon 6/6 or diallyl phthalate (DAP), flame retardant (UL 94V-0).

PLUNGER: Glass filled nylon or glass filled polyester (PBT) (UL 94V-0).

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

HOUSING: Stainless steel.

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

N.O. & N.C. CONTACTS: 8X21, U8X1 MODELS: G contact material: Coin silver, with gold plate over nickel plate. See page A-43 for additional contact materials.

8X25 MODELS: B contact material: Copper alloy, with gold plate over nickel plate. See page A-43 for additional contact materials.

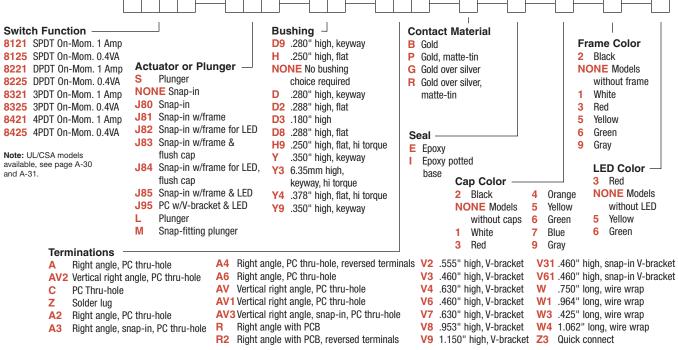
COMMON CONTACT & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.

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

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

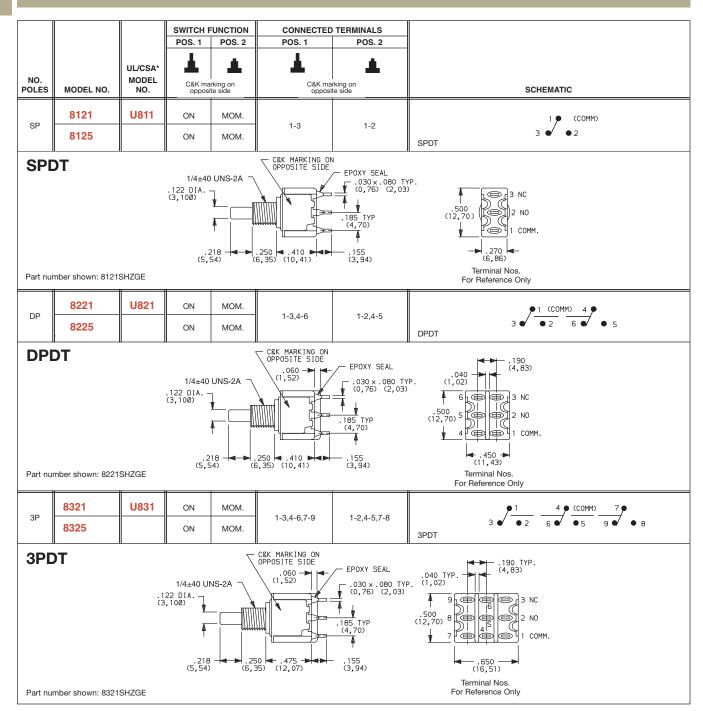
Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages A-30 thru A-45. 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.









MOM. = Momentary

8X25 models must be ordered with B or P contact material.

8X21 and U8X1 models must be ordered with G or R contact material.

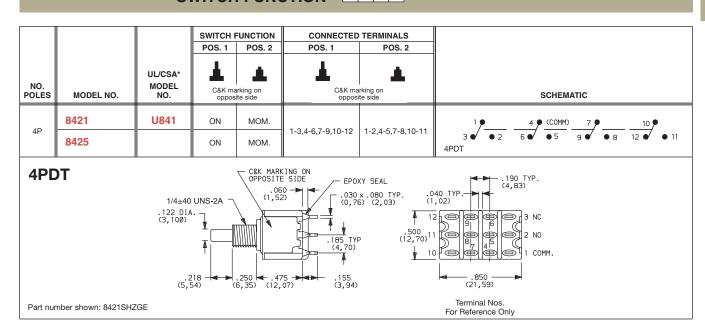




A-30



SWITCH FUNCTION TO THE PROPERTY OF THE PROPERT



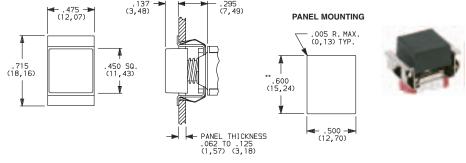
MOM. = Momentary

8X25 models must be ordered with B or P contact material.
8X21 and U8X1 models must be ordered with G or R contact material.

ACTUATOR—SNAP-IN FRONT MOUNT



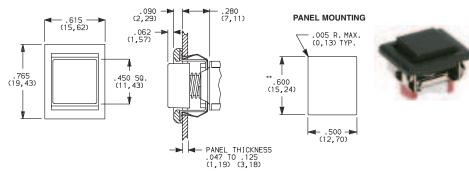
J80 SNAP-IN



NOTE: No frame color choice required.

J81 SNAP-IN WITH FRAME

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



NOTE: Available with C, W-W4, Z or Z3 terminations and SPDT and DPDT models only.

^{**} Increase this dim. to .620/.625 (15,75/15,88) for .091/.125 (2,31/3,18) thk. panels.



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



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

NOTE: Caps and frames available separately, see pages A-44 and A-45.





ACTUATOR—SNAP-IN FRONT MOUNT

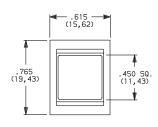
ACTUATOR OR PLUNGER

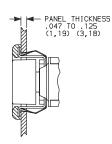
FRAME COLOR

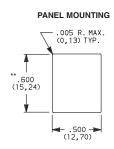
FRAME COLOR

J83 SNAP-IN WITH FRAME AND FLUSH CAP

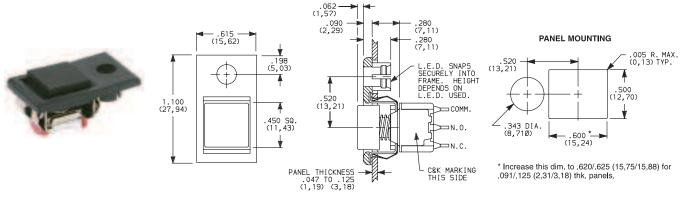








J82 SNAP-IN WITH FRAME FOR LED



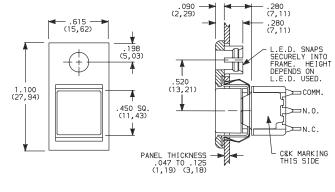
LED not included.For LED information, see page A-45.

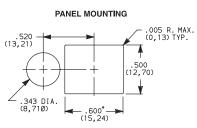
J84 SNAP-IN WITH FRAME FOR LED, FLUSH CAP



For LED information, see page A-45.

LED not included.





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

OPTION CODE	CAP AND FRAME COLOR
2	BLACK
1	WHITE
3	RED
4	ORANGE
5	YELLOW
6	GREEN
7	BLUE
9	GRAY

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

Available with C, W-W4, Z or Z3 terminations and SPDT and DPDT models only.

NOTE: Caps and frames available separately, see pages A-44 and A-45.

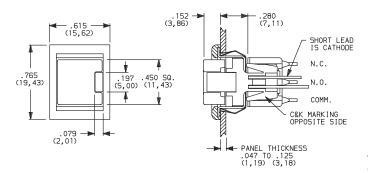


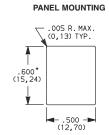


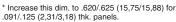


ACTUATOR—SNAP-IN FRONT MOUNT

J85 SNAP-IN WITH FRAME AND LED









8121J85ZGE223 **SPST**

Available with C, W-W4, Z or Z3 terminations and SPDT models only. For LED information see page A-45.

NOTE: Caps & frames available separately, see pages A-44 and A-45.

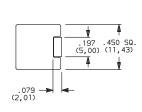
OPTION CODE	CAP AND FRAME COLOR
2	BLACK
1	WHITE
3	RED
4	ORANGE
5	YELLOW
6	GREEN
7	BLUE
9	GRAY

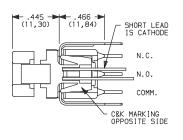
OPTION CODE	LED COLOR
3	RED
5	YELLOW
6	GREEN

For LED information see page A-43.

ACTUATOR—PC MOUNT

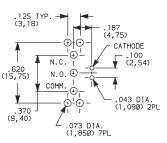
J95 PC WITH V-BRACKET AND LED





CAP AND FRAME COLOR
BLACK
WHITE
RED
ORANGE
YELLOW
GREEN
BLUE
GRAY

PC MOUNTING



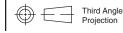
OPTION CODE	LED COLOR
3	RED
5	YELLOW
6	GREEN

For LED information see page A-45.



8121J95V3GE23

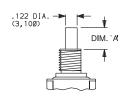
NOTE: Caps available separately, see page A-44. Available with V3 terminations and SPDT models only.







S PLUNGER

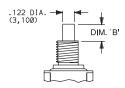


NONE

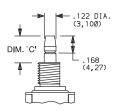
NO PLUNGER CHOICE REQUIRED (JXX ACTUATORS)

AVAILABLE BUSHINGS	DIM. 'A' FOR C, W-W4, Z & Z3 TERMINATIONS	DIM. 'A' FOR A, A2, A3, A4, A6, AV-A3, R & R2 TERMINATIONS	DIM. 'A' FOR V3-V61 TERMINATIONS
D, D9	.244 (6,20)	.228 (5,79)	.224 (5,69)
H, H9	.218 (5,54)	.202 (5,13)	.198 (5,03)
Y, Y9	.203 (5,16)	.187 (4,75)	.183 (4,65)
Y3	(5,54)	(5,13)	(5,03)
Y4	.185 (4,70)	.169 (4,29)	.165 (4,19)
D2, D8	N/A	.232 (5,89)	.228 (5,79)
D3	N/A	.162 (4,11)	.158 (4,01)

L PLUNGER



M SNAP-FITTING PLUNGER



AVAILABLE BUSHINGS	DIM. 'B' FOR C, W-W4, Z & Z3 TERMINATIONS	DIM. 'B' FOR A, A2, A3, A4, A6, AV-A3, R & R2 TERMINATIONS	DIM. 'B' FOR V3-V61 TERMINATIONS
Y, Y9	.178 (4,52)	.162 (4,11)	.158 (4,01)
Y4	.090 (2,29)	.074 (1,88)	.070 (1,78)

AVAILABLE BUSHINGS	DIM. 'C' FOR C, W-W4, Z & Z3 TERMINATIONS	DIM. 'C' FOR A, A2, A3, A4, A6, AV-A3, R & R2 TERMINATIONS	DIM. 'C' FOR V3-V61 TERMINATIONS
D, D9	.297 (7,54)	.281 (7,14)	.277 (7,04)
H, H9	.267 (6,78)	.251 (6,38)	.247 (6,27)
Y, Y9	.259 (6,58)	.243 (6,17)	.239 (6,07)
Y3	(6,78)	(6,37)	(6,27)
Y4	.259 (6,58)	.243 (6,17)	.239 (6,07)
D2, D8	N/A	.273 (6,93)	.269 (6,83)
D3	N/A	.361 (9,17)	.357 (9,07)
1			

N/A = NOT AVAILABLE

NOTE: When selecting plunger option, bushing selection must also be made, see next page. No plunger option is required when any JXX actuator option is selected. Additional plunger lengths are available on SPDT and DPDT models, consult Customer Service Center. Not all plunger lengths sufficient for use with caps, see page A-44.

NONE

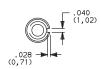
NO BUSHING CHOICE REQUIRED (JXX ACTUATORS) D .280" HIGH THREADED, KEYWAY

D9 .280" HIGH UNTHREADED, KEYWAY H .250" HIGH THREADED, FLAT

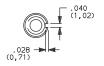
H9 .250" HIGH UNTHREADED, FLAT

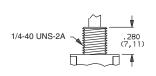
Y .350" HIGH THREADED, KEYWAY

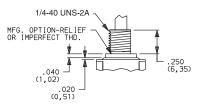
Y9 .350" HIGH UNTHREADED, KEYWAY

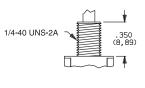








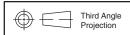




D9 bushing standard with A-A6, R, R2 AV-AV3 terminations.

 \mbox{H} bushing standard with C, W-W4, Z or Z3 terminations. H, H9 bushings not available on single pole models with

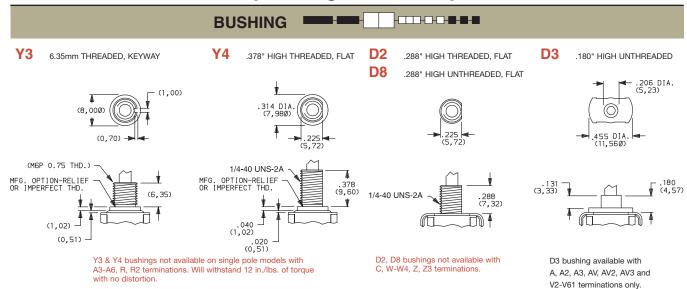
A3-A6, R, R2 terminations. Will withstand 12 in./lbs. of torque with



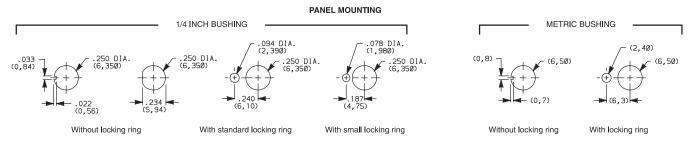


Dimensions are shown: Inches (mm) Specifications and dimensions subject to change

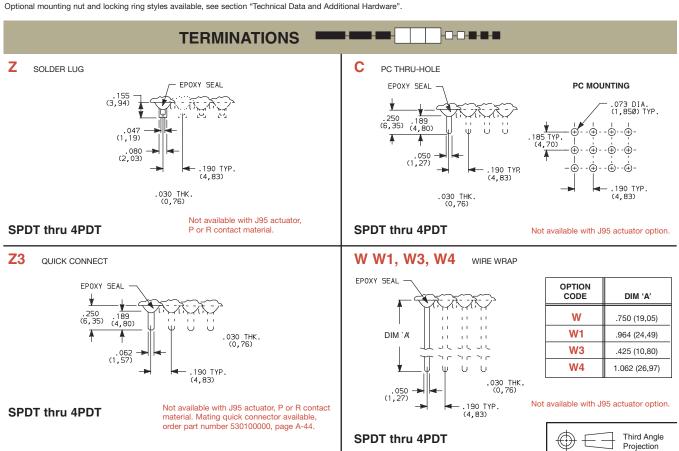
no distortion.



NOTE: No bushing option choice required when JXX actuator option is selected. When selecting bushing option, plunger selection must also be made, see previous page. Plunger lengths vary with bushing and termination options selected.



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





8020 Series

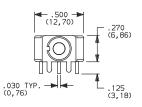
Snap-acting Momentary Pushbutton Switches

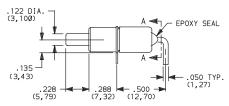
TERMINATIONS ----

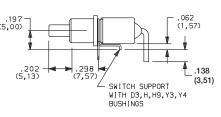
A RIGHT ANGLE, PC THRU-HOLE



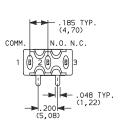








Part Number 8121SH9AGE



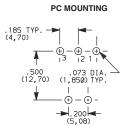
SECTION A-A

Terminal Nos. For Reference Only.

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





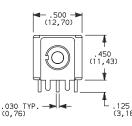


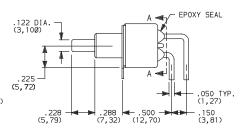
Not available with JXX actuators and I seal.
Terminal bend radii and lead-in manufacturing option.

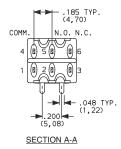
A RIGHT ANGLE, PC THRU-HOLE



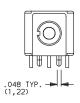
8221SD9AGE DPDT



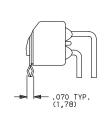


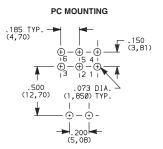


A3 RIGHT ANGLE, SNAP-IN, PC THRU-HOLE



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



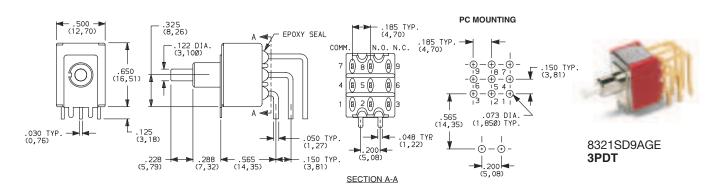






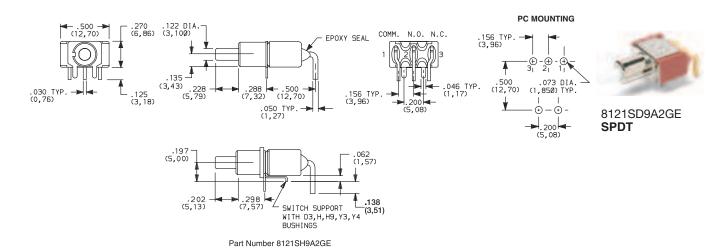
TERMINATIONS

RIGHT ANGLE, PC THRU-HOLE



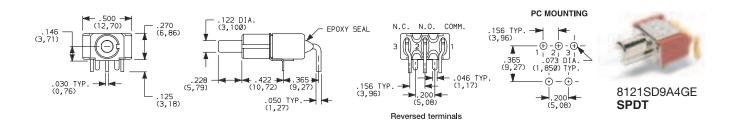
Not available with JXX actuators and I seal option. Terminal bend radii and lead-in manufacturing option.

RIGHT ANGLE, PC THRU-HOLE



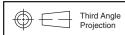
Not available with JXX actuators, I seal option.
Terminal bend radii and lead-in manufacturing option.

RIGHT ANGLE, PC THRU-HOLE, REVERSED TERMINALS



Not available with JXX actuators, D3, H, H9, Y3, Y4 bushings and I seal. Terminal bend radii and lead-in manufacturing option.

The A4 and R2 termination options are functionally identical and fit the same PC mounting pattern. The switches, however, are shifted relative to the mounting holes. The PC pattern must clear the switch support legs. Unlike the R2, the A4 option is available with UL/CSA.

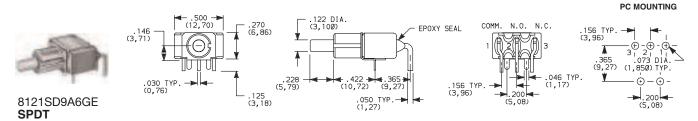






TERMINATIONS

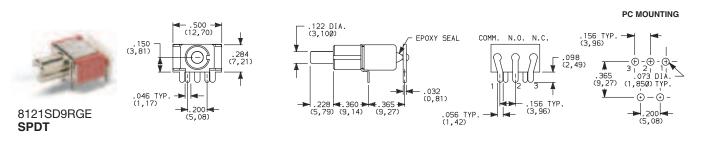
A6 RIGHT ANGLE, PC THRU-HOLE



Not available with JXX actuators, D3, H, H9, Y3, Y4 bushings and I seal. Terminal bend radii and lead-in manufacturing option.

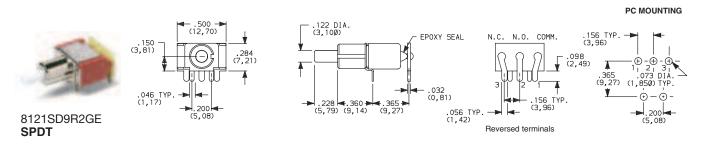
The A6 and R termination options are functionally identical and fit the same PC mounting pattern, The switches, however, are shifted relative to the mounting holes. The PC pattern must clear the switch support legs. Unlike the R, the A6 option is available with UL/CSA.

RIGHT ANGLE WITH PCB

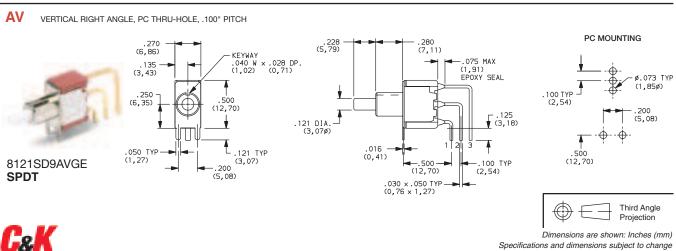


Not available with JXX actuators, D3, H, H9, Y3, Y4 bushings, I seal option. R termination not UL/CSA approved.

RIGHT ANGLE WITH PCB, REVERSED TERMINALS



Not available with JXX actuators, D3, H, H9, Y3, Y4 bushings, I seal option. R2 termination not UL/CSA approved.

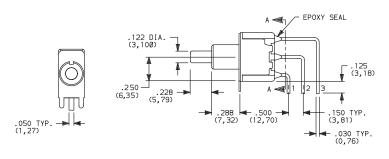


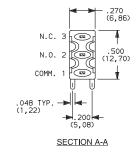


AV1

TERMINATIONS

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

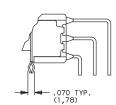




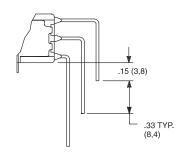


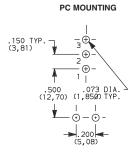
8121SD9AV2GE **SPDT**

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



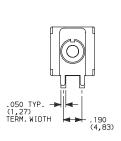
VERTICAL RIGHT ANGLE, EXTENDED, PC THRU-HOLE, .150" PITCH

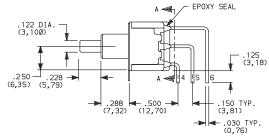


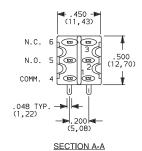


Not available with JXX actuators and I seal. Terminal bend radii and lead-in manufacturing option.

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



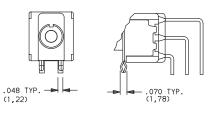






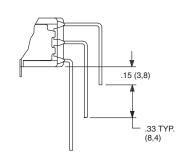
8221SD9AV2GE **DPDT**

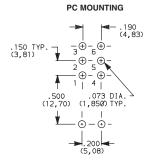
AV3 VERTICAL RIGHT ANGLE, SNAP-IN, PC THRU-HOLE, .150" PITCH



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

AV1 VERTICAL RIGHT ANGLE, EXTENDED, PC THRU-HOLE, .150" PITCH

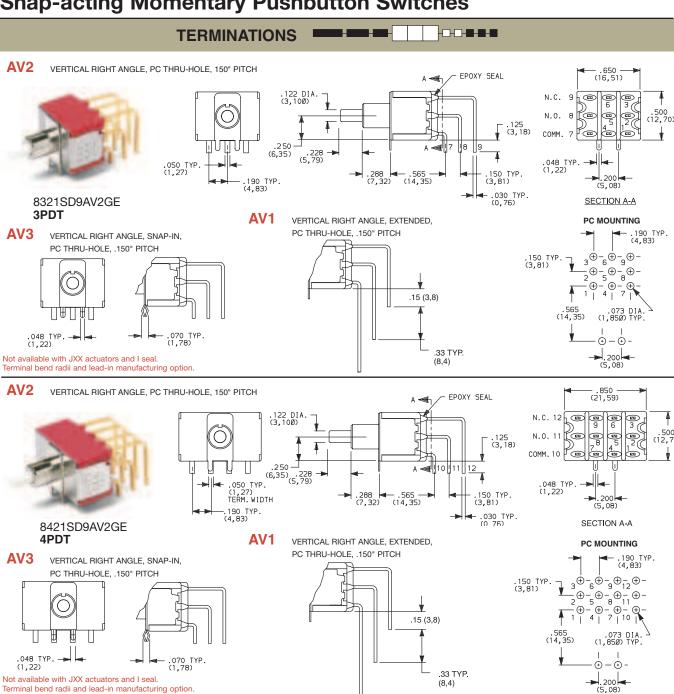


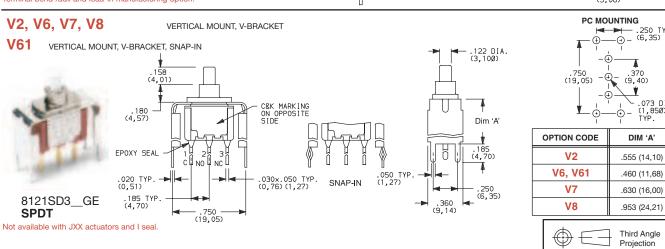












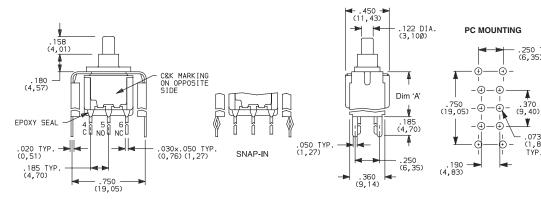




TERMINATIONS

V2, V6, V7, V8 VERTICAL MOUNT, V-BRACKET

VERTICAL MOUNT, V-BRACKET, SNAP-IN



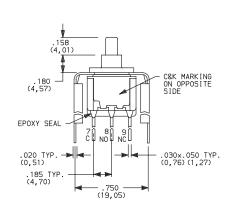


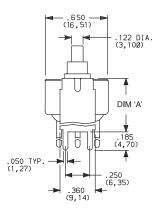
8221SD3__GE **DPDT**

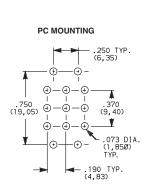
OPTION CODE	DIM 'A'
V2	.555 (14,10)
V6, V61	.460 (11,68)
V7	.630 (16,00)
V8	.953 (24,21)

Not available with JXX actuators and I seal.

V2, V7, V8 VERTICAL MOUNT, V-BRACKET







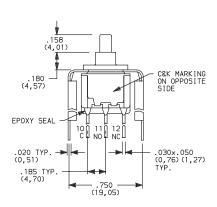


8321SD3_GE 3PDT

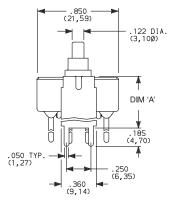
OPTION CODE	DIM 'A'
V2	.555 (14,10)
V7	.630 (16,00)
V8	.953 (24,21)

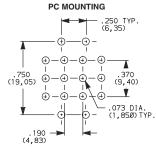
Not available with JXX actuators and I seal.

VERTICAL MOUNT, V-BRACKET



Not available with JXX actuators and I seal.







8421SD3_GE **4PDT**

OPTION CODE	DIM 'A'
V2	.555 (14,10)
V7	.630 (16,00)
V8	.953 (24,21)

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21)		🖤
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Third Angle

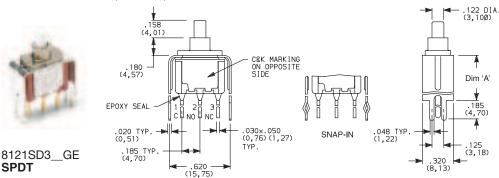


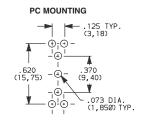


TERMINATIONS

V3, V4, V9 VERTICAL MOUNT, V-BRACKET

VERTICAL MOUNT, V-BRACKET, SNAP-IN



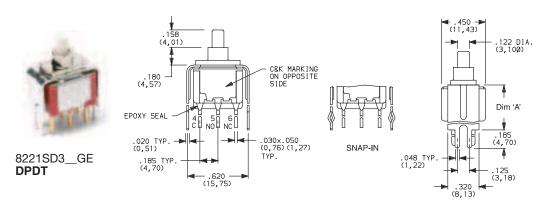


OPTION CODE	DIM 'A'	
V3, V31	.460 (11,68)	
V4	.630 (16,00)	
V9	1.150 (29,21)	

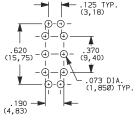
Not available with J8X actuators and I seal.

V3, V4, V9 VERTICAL MOUNT, V-BRACKET

VERTICAL MOUNT, V-BRACKET, SNAP-IN



PC MOUNTING

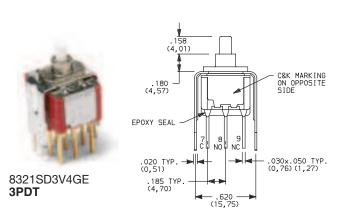


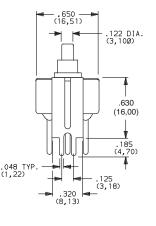
OPTION CODE	DIM 'A'	
V3, V31	.460 (11,68)	
V4	.630 (16,00)	
V9	1.150 (29,21)	

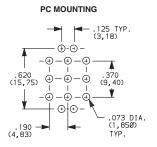
Not available with J8X actuators and I seal.

Not available with JXX actuators and I seal.

V4, V9 VERTICAL MOUNT, V-BRACKET







OPTION CODE	DIM 'A'	
V4	.630 (16,00)	
V9	1.150 (29,21)	

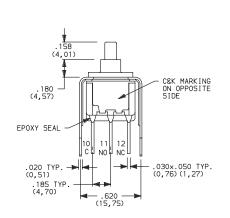


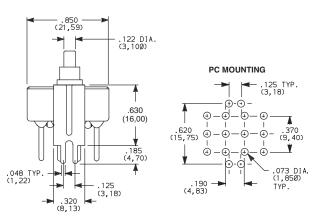




TERMINATIONS

V4, V9 VERTICAL MOUNT, V-BRACKET







8421SD3V4GE 4PDT

OPTION CODE	DIM 'A'	
V4	.630 (16,00)	
V9	1.150 (29,21)	

Not available with JXX actuators and I seal.

CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS		
В	GOLD ¹	GOLD ¹	LOW LEVEL/DRY CIRCUIT	8x25 MODELS ONLY: 0.4 MAX.	
Р		MATTE-TIN ⁴		@ 20 V AC OR DC MAX.	
G	GOLD OVER SILVER 2,3	GOLD ³	LOW LEVEL/DRY	8X21, U8X1 MODELS ONLY: 0.4 VA MAX	
R	GOLD OVER SILVER 2,0	MATTE-TIN ⁴	CIRCUIT OR POWER	@ 20 V AC OR DC MAX. OR 1 AMP @ 120 V AC OR 28 V DC.	

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

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

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

U811-U841 models With all options (except R, R2 terminations) when ordered with mandatory G, R or L contact material.

B or P contact material must be ordered with 8X25 models.

G or R contact material must be ordered with 8X21, U8X1 models.

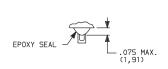
P or R contact material not available with Z, Z3 terminations.

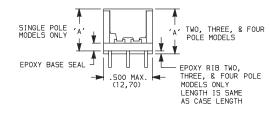
K, L and M options represent Non RoHS tin lead product and are not recommended for new designs. For additional information please contact Customer Service.

SEAL

EPOXY SEAL

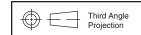
EPOXY POTTED BASE





NO. POLES	DIM 'A'
SP	.410 (10,41)
DP	.440 (11,18)
3P	.505 (12,83)
4P	.505 (12,83)

NOTE: Available with C, W-W4, Z, Z3 terminations only.

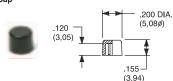






AVAILABLE HARDWARE

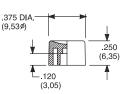
Сар



PART NO.

708901000 WHITE 708902000 BLACK 708903000 RED 708904000 ORANGE 708905000 YELLOW. 708906000 GREEN 708907000 BLUE 708909000 GRAY

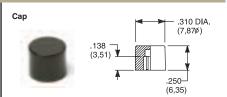
Material: Nylon Finish: Gloss



PART NO.

752701000 WHITE 752702000 BLACK 752703000 RED 752704000 ORANGE 752705000 YELLOW. 752706000 GREEN 752707000 BLUE 752709000 GRAY

Material: Nylon Finish: Gloss

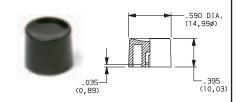


PART NO.

801801000 WHITE 801802000 BLACK 801803000 RED 801804000 ORANGE 801805000 YELLOW. 801806000 GREEN 801807000 BLUE 801809000 GRAY

Material: Nylon Finish: Gloss

Cap, Snap-fitting plunger



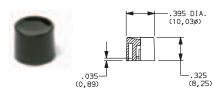
PART NO.

894001000 WHITE 894002000 BLACK 894003000 RED 894004000 ORANGE 894005000 YELLOW 894006000 GREEN 894007000 BLUE

GRAY

894009000 Material: Nylon Finish: Gloss

Cap, Snap-fitting plunger

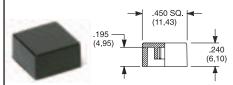


PART NO.

894101000 WHITE 894102000 BLACK 894103000 RED 894104000 ORANGE 894105000 YELLOW 894106000 GREEN 894107000 BLUE 894109000 GRAY

Material: Nvlon Finish: Gloss

Cap, J80, J81, J82, J83 & J84 options only



PART NO.

484601000 WHITE 484602000 BLACK 484603000 RED 484604000 ORANGE 484605000 YELLOW 484606000 GREEN 484607000 BLUE 484609000 GRAY

Material: Nvlon Finish: Gloss

PART NO.

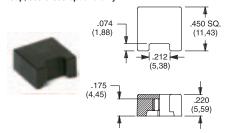
798201000 WHITE 798202263 BLACK 798203000 RED 798204000 ORANGE 798205000 YELLOW 798206000 GREEN 798207000 BLUE 798209000 GRAY

Material: Nvlon Finish: Matte





Cap, J85 & J95 options only



613301000 WHITE 613302263 **BLACK** 613303000 RFD 613305000 YFLLOW 613306000 GREEN 613309000 GRAY

Material: Nylon Finish: Matte

PART NO.

PART NO.

459709000

Finish: Gloss

PART NO.

476801000 WHITE 476802000 BLACK 476803000 RFD 476804000 ORANGE 476805000 YELLOW 476806000 GREEN 476807000 BLUE 476809000

Material: Nylon Finish: Matte

PART NO. 615601000

WHITE 615602263 BLACK 615603000 RFD 615605000 YFLLOW 615606000 GREEN 615609000 GRAY

Material: Nvlon Finish: Matte

Fits Z3 Termination female connector

PART NO. 530100000

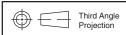
Available in loose pieces.

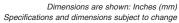


NOTE: Additional nuts, locking rings and lockwashers available separately, see section

"Technical Data and Additional Hardware"

Other cap & frame colors available, consult Customer Service Center.







AVAILABLE HARDWARE

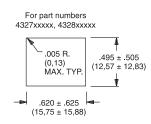
Frames snap into panel opening and are independent from switch mounting. Accurate positioning of the PC mounted switch relative to the panel opening is necessary to provide proper clearance between actuator and frame. Available in two basic styles and four panel thicknesses .047-.125 in. Material: Nylon.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





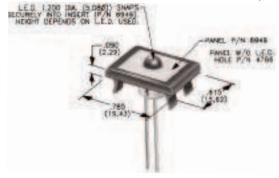
.047" (1,19) PANEL THK.		.062" (1,57) PANEL THK.	.090" (2,29) PANEL THK.	.125" (3,18) PANEL THK.		
	PART NO.	PART NO.	PART NO.	PART NO.		
	432501000	432601000	432701000	432801000	WHITE	
	432502263	432602263	432702263	432802263	BLACK	
	432503000	432603000	432703000	432803000	RED	
	432505000	432605000	432705000	432805000	YELLOW	
	432506000	432606000	432706000	432806000	GREEN	
	432509000	432609000	432709000	432809000	GRAY	

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 ED WITHOUT HOLE FOR LEI	
PART NO.	PART NO.	
894901000	476601000	WHITE
894902000	476602000	BLACK
894903000	476603000	RED
894905000	476605000	YELLOW
894906000	476606000	GREEN
894909000	476609000	GRAY

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

LED INFORMATION

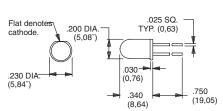
SWITCHES WITH LED SUPPLIED: J85, J95 OPTIONS:

Rectangular LEDs are supplied on 8020 Series pushbutton switches with J85 and J95 options. These LEDs are factory installed and are not replaceable. The following specifications apply:

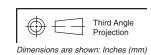
			TYP.	TYP.	MAX RATINGS AT 25°C AMBIENT TEMPERATURE		
OPTION CODE	COLOR	TYP. INTENSITY	FORWARD VOLTAGE	FORWARD CURRENT	FORWARD VOLTAGE	CONTINUOUS FORWARD CURRENT	POWER DISSIPATION
6	Green	1.0 mcd		20 mA		50 mA	125 mW
3	Red*	0.5 mcd	2.1 V	10 mA	2.5 V	30 mA	75 mW
5	Yellow	4.0 mcd		20 mA		50 mA	125 mW

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.



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





Specifications and dimensions subject to change