Features/Benefits

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



Models Available

Typical Applications

- Instrumentation
- Computer peripherals
- Telecommunications equipment



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 soldering and cleaning Technical Data Chapter.

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

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 $\text{m}\Omega$ 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.

CAR INICIAL ATION FORCE 40 III

CAP INSTALLATION FORCE: 10 lbs. max. permissible.

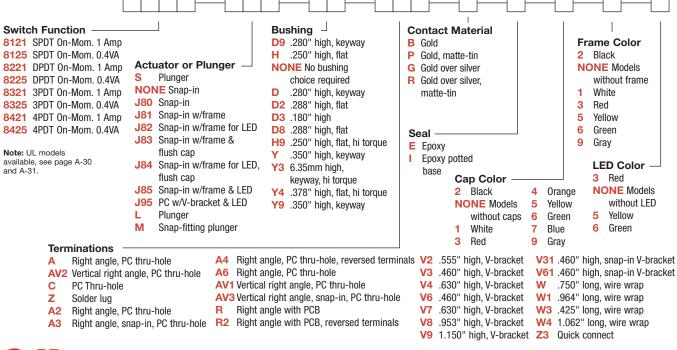
SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).

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.

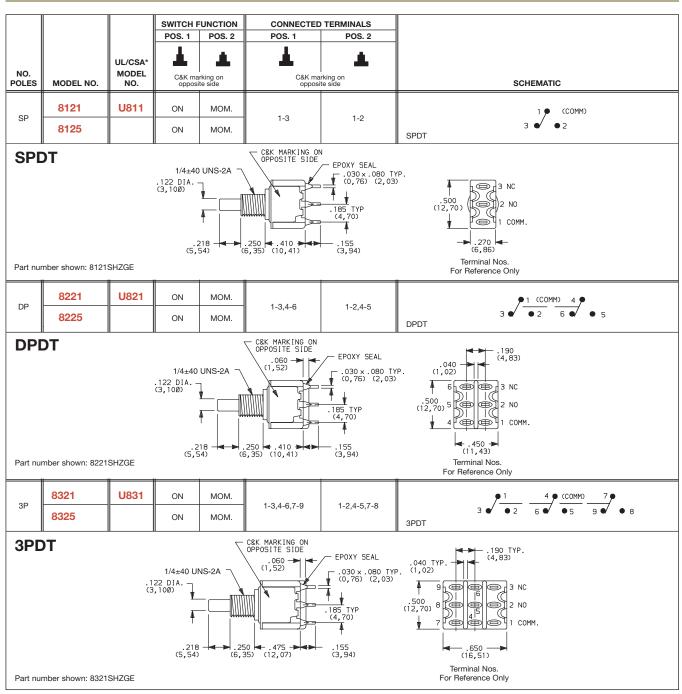
Build-A-Switch

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

*U811 thru U841 model numbers calls with all options (except R, R2 terminations) when ordered with G or R contact material.

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



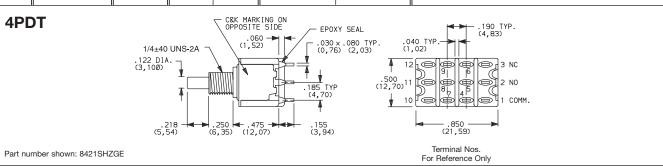


8020 Series

Snap-acting Momentary Pushbutton Switches

SWITCH FUNCTION

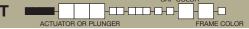
			SWITCH FUNCTION		CONNECTED TERMINALS		
			POS. 1	POS. 2	POS. 1	POS. 2	
		UL/CSA*	1	•	±	•	
NO. POLES	MODEL NO.	MODEL NO.	C&K ma oppos	rking on ite side	C&K ma oppos	rking on ite side	SCHEMATIC
40	8421	U841	ON	MOM.	1 2 4 6 7 0 10 10	1045701011	1 • 4 • CCOMM) 7 • 10 •
4P	8425		ON	мом.	1-3,4-6,7-9,10-12	1-2,4-5,7-8,10-11	3 d



* U811 thru U841 model numbers c with all options (except R, R2 terminations) when ordered with G or R contact material.

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

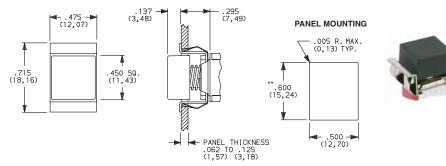


OPTION CODE	CAP AND FRAME COLOR	
2	BLACK	
NONE	No Frame Color (J80 option)	
1	WHITE	
3	RED	
4	ORANGE	
5	YELLOW	
6	GREEN	
7	BLUE	
9	GRAY	

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

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

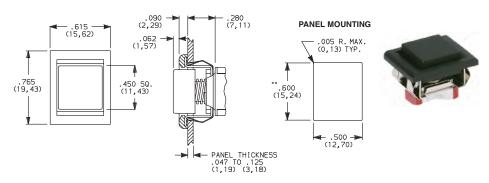




NOTE: No frame color choice required.

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

J81 SNAP-IN WITH FRAME



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.

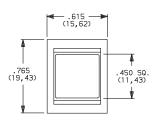


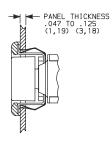


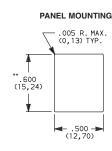
ACTUATOR—SNAP-IN FRONT MOUNT ACTUATOR OR PI LINGER CAP COLOR FRAME COLOR

J83 SNAP-IN WITH FRAME AND FLUSH CAP

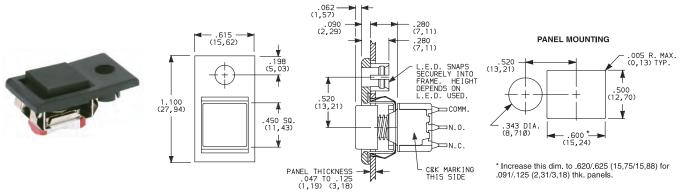








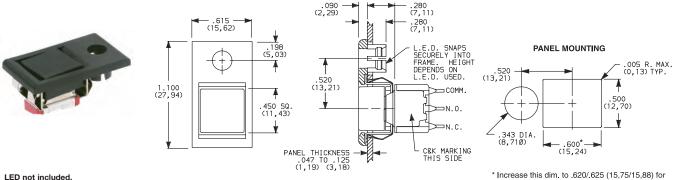
J82 SNAP-IN WITH FRAME FOR LED



LED not included.

For LED information, see page A-45.

J84 SNAP-IN WITH FRAME FOR LED, FLUSH CAP



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

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.

$\bigoplus \Box$	Third Angle Projection
1	.,



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

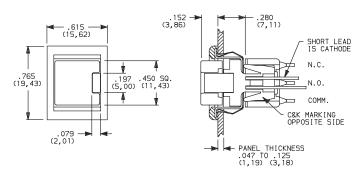
.091/.125 (2,31/3,18) thk. panels.

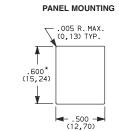
ACTUATOR—SNAP-IN FRONT MOUNT

CAP COLOR LED COLOR

ACTUATOR OR PLUNGER FRAME COLOR

J85 SNAP-IN WITH FRAME AND LED





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



8121J85ZGE223 **SPST**

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

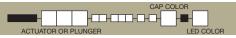
NOTE: Caps & frames available separately, see pages A-44 and A-45.

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

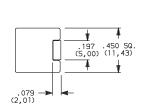
OPTION CODE	LED COLOR	
3	RED	
5	YELLOW	
6	GREEN	

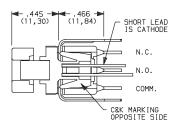
For LED information see page A-45.

ACTUATOR-PC MOUNT



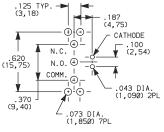
J95 PC WITH V-BRACKET AND LED





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

PC MOUNTING



OPTION CODE	LED COLOR	
3	RED	
5	YELLOW	
6	GREEN	

For LED information see page A-45.



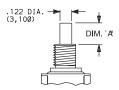
8121J95V3GE23 **SPST**

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





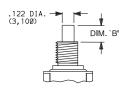
S PLUNGER



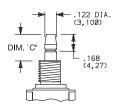
NONE NO PLUNGER CHOICE REQUIRED (JXX ACTUATORS)

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)
Н, Н9	.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)
Н, Н9	.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)

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.

BUSHING ----

NONE

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

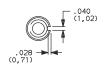
.280" HIGH UNTHREADED,

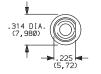
H .250" HIGH THREADED, FLAT

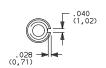
H9 .250" HIGH UNTHREADED, FLAT

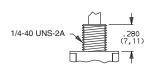
Y .350" HIGH THREADED, KEYWAY

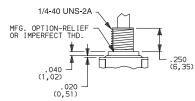
Y9 .350" HIGH UNTHREADED, KEYWAY

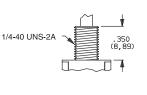








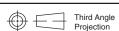




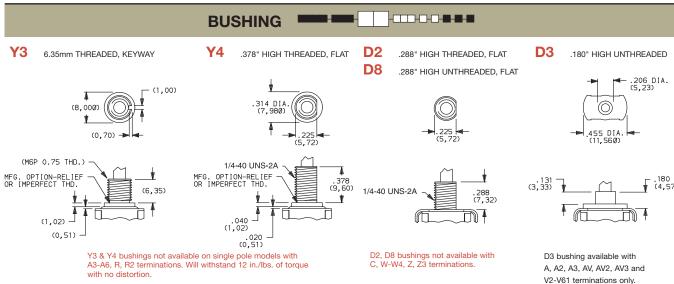
D9 bushing standard with A-A6, R, R2 AV-AV3 terminations.

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.

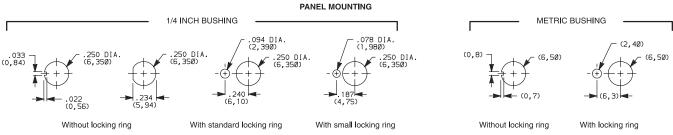
Will withstand 12 in./lbs. of torque with no distortion.

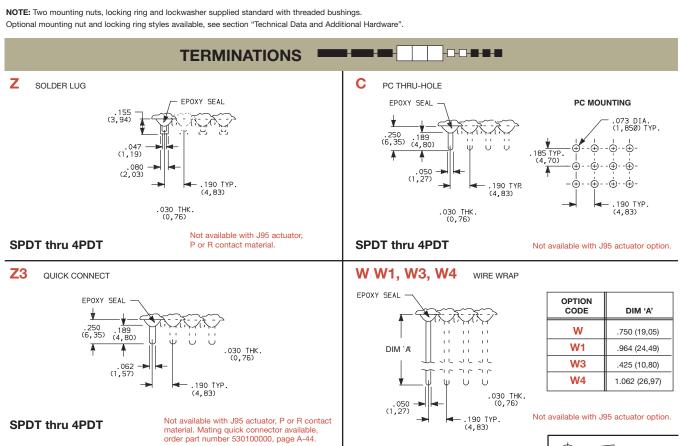






NOTE: No bushing option choice required when JXX actuator option is selected. When selecting bushing option, plunger selection must also be made, see previous page. Plunger lengths vary with bushing and termination options selected.







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

Third Anale

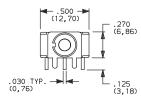
SPDT thru 4PDT

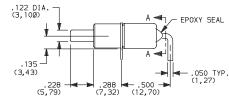
TERMINATIONS

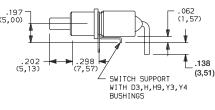
A RIGHT ANGLE, PC THRU-HOLE



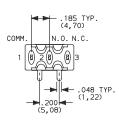
8121SD9AGE SPDT







Part Number 8121SH9AGE



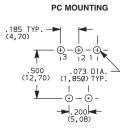
SECTION A-A

Terminal Nos. For Reference Only.

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







Not available with JXX actuators and I seal.

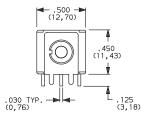
Terminal bend radii and lead-in manufacturing option.

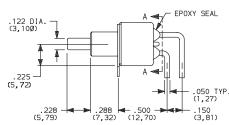
Δ

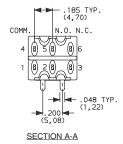
RIGHT ANGLE, PC THRU-HOLE



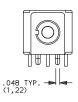
8221SD9AGE DPDT



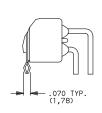


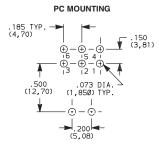


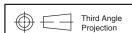
A3 RIGHT ANGLE, SNAP-IN, PC THRU-HOLE



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



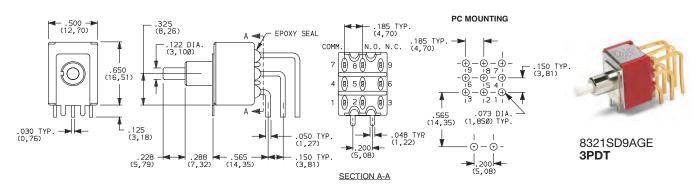






TERMINATIONS ----

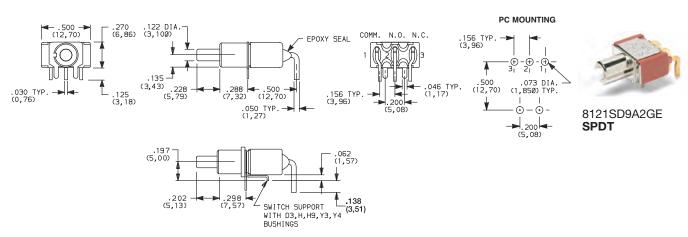
A RIGHT ANGLE, PC THRU-HOLE



Not available with JXX actuators and I seal option.

Terminal bend radii and lead-in manufacturing option.

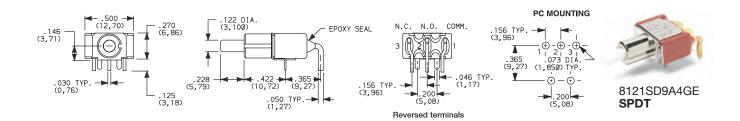
A2 RIGHT ANGLE, PC THRU-HOLE



Part Number 8121SH9A2GE

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

A4 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 -----

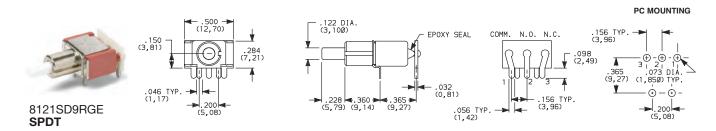
A6 RIGHT ANGLE, PC THRU-HOLE

8121SD9A6GE SPDT PC MOUNTING 1.22 DIA. (3, 70) (6, 86) (12, 70) (6, 86) (12, 70) (12, 70) (12, 70) (12, 70) (12, 70) (12, 70) (12, 70) (12, 70) (12, 70) (12, 70) (12, 70) (12, 70) (13, 100) (13, 100) (13, 100) (14, 125 (10, 72

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

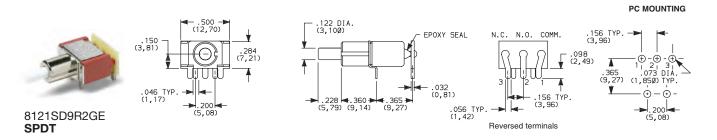
The A6 and R termination options are functionally identical and fit the same PC mounting pattern, The switches, however, are shifted relative to the mounting holes. The PC pattern must clear the switch support legs. Unlike the R, the A6 option is available with UL/CSA.

RIGHT ANGLE WITH PCB



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

R2 RIGHT ANGLE WITH PCB, REVERSED TERMINALS



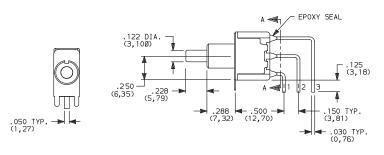
Not available with JXX actuators, D3, H, H9, Y3, Y4 bushings, I seal option. R2 termination not UL/CSA approved.

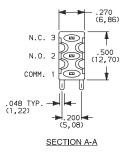




TERMINATIONS

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

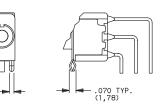




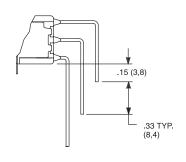


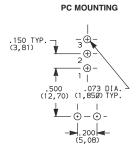
8121SD9AV2GE **SPDT**

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



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

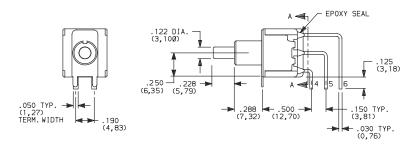


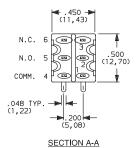


Not available with JXX actuators and I seal.

Terminal bend radii and lead-in manufacturing option.

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





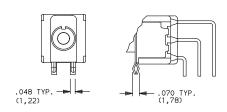


8221SD9AV2GE **DPDT**

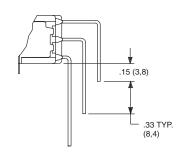
AV3 VERTICAL RIGHT ANGLE, SNAP-IN, PC THRU-HOLE, .150" PITCH

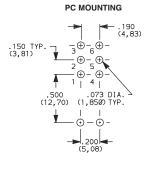
Not available with JXX actuators and I seal.

Terminal bend radii and lead-in manufacturing option.



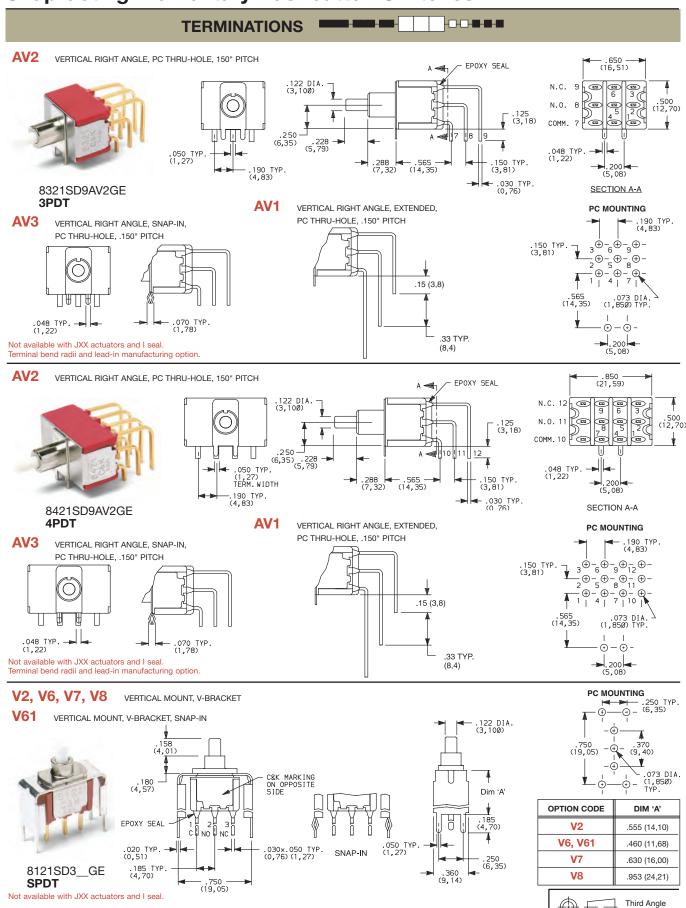
VERTICAL RIGHT ANGLE, EXTENDED, PC THRU-HOLE, .150" PITCH









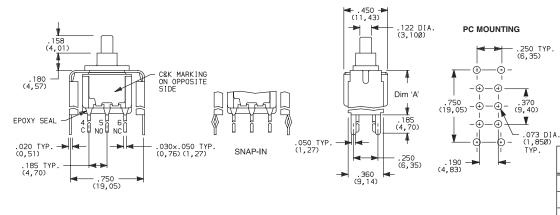




TERMINATIONS ----

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

V61 VERTICAL MOUNT, V-BRACKET, SNAP-IN



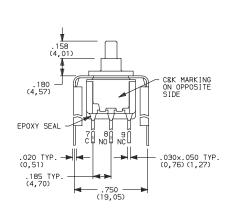


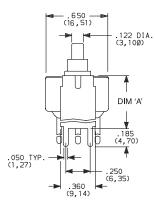
8221SD3__GE **DPDT**

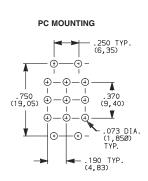
OPTION CODE	DIM 'A'
V2	.555 (14,10)
V6, V61	.460 (11,68)
V7	.630 (16,00)
V 8	.953 (24,21)

Not available with JXX actuators and I seal.

V2, V7, V8 VERTICAL MOUNT, V-BRACKET







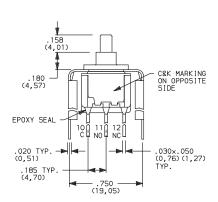


8321SD3__GE **3PDT**

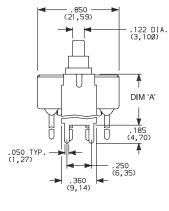
OPTION CODE	DIM 'A'	
V2	.555 (14,10)	
V7	.630 (16,00)	
V 8	.953 (24,21)	

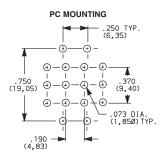
Not available with JXX actuators and I seal.

V2, V7, V8 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)
V 8	.953 (24,21)

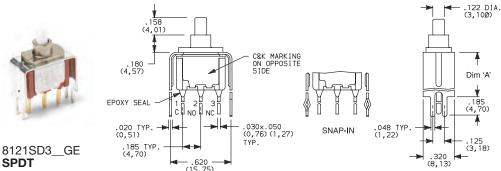
Third Angle Projection

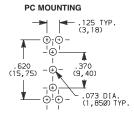


TERMINATIONS

V3, V4, V9 VERTICAL MOUNT, V-BRACKET

V31 VERTICAL MOUNT, V-BRACKET, SNAP-IN



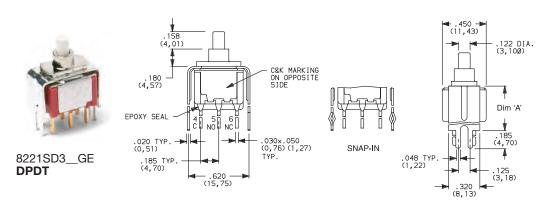


OPTION CODE	DIM 'A'
V3, V31	.460 (11,68)
V 4	.630 (16,00)
V 9	1.150 (29,21)

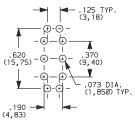
Not available with J8X actuators and I seal.

V3, V4, V9 VERTICAL MOUNT, V-BRACKET

V31 VERTICAL MOUNT, V-BRACKET, SNAP-IN



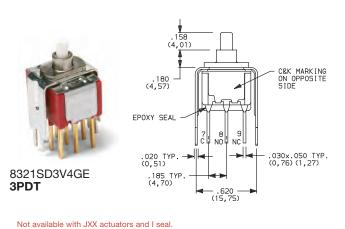
PC MOUNTING

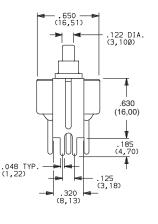


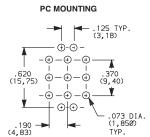
OPTION CODE	DIM 'A'
V3, V31	.460 (11,68)
V 4	.630 (16,00)
V 9	1.150 (29,21)

Not available with J8X actuators and I seal.

V4, V9 VERTICAL MOUNT, V-BRACKET







OPTION CODE	DIM 'A'	
V4	.630 (16,00)	
V 9	1.150 (29,21)	

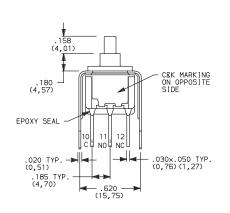
Third Angle

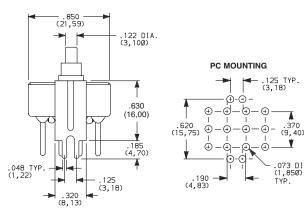


TERMINATIONS

-0-0-

V4, V9 VERTICAL MOUNT, V-BRACKET







8421SD3V4GE 4PDT

OPTION CODE	DIM 'A'	
V 4	.630 (16,00)	
V 9	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	GOLD .	MATTE-TIN ⁴		@ 20 V AC OR DC MAX.	
G	GOLD OVER SILVER ^{2,3}	GOLD 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.

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

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

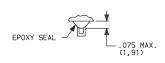
G or R contact material must be ordered with 8X21, U8X1 models.

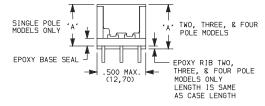
P or R contact material not available with Z, Z3 terminations.

SEAL

EPOXY SEAL

EPOXY POTTED BASE





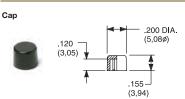
NO. POLES	DIM 'A'
SP	.410 (10,41)
DP	.440 (11,18)
3P	.505 (12,83)
4P	.505 (12,83)

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





AVAILABLE HARDWARE

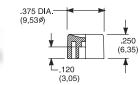


PART NO.

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

Material: Nylon Finish: Gloss

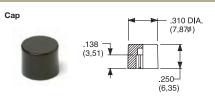
Сар



PART NO.

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

Material: Nylon Finish: Gloss

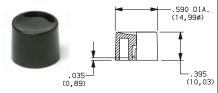


PART NO.

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

Material: Nylon Finish: Gloss

Cap, Snap-fitting plunger

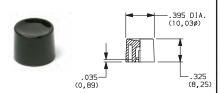


PART NO.

452D01000 WHITE 452D02000 BLACK 452D03000 RED 452D04000 ORANGE 452D05000 YELLOW 452D06000 GREEN 452D07000 BLUE 452D09000 GRAY

Material: Nylon Finish: Gloss

Cap, Snap-fitting plunger

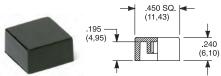


PART NO.

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

Material: Nylon Finish: Gloss

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



PART NO.

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

Material: Nylon Finish: Gloss

PART NO.

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

Material: Nylon Finish: Matte

WHITE

RED

ORANGE

YELLOW

GREEN

Frame



PART NO.

615602263 BLACK

Material: Nylon Finish: Matte

Frame

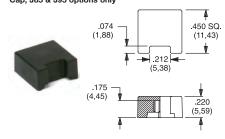


PART NO.

613302263 BLACK

Material: Nylon Finish: Matte

Cap, J85 & J95 options only



PART NO. PART NO. 459701000 476801000

459709000 476809000 GRAY

Material: Nylon
Finish: Gloss
Finish: Matta

Fits Z3 Termination female connector

PART NO. 530100000

Available in loose pieces.

and a

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.



(2,29) (2,29) (15,62)

.062" (1,57) PANEL THK.

.090" (2,29) PANEL THK.

.125" (3,18) PANEL THK

PART NO. P.

.047" (1,19) PANEL THK.

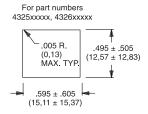
432502263

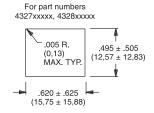
PART NO. 432602263 PART NO. 432702263

PART NO.

432802263 BLACK

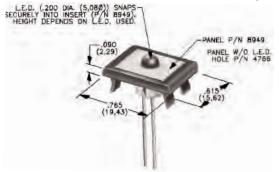






Panel Inserts

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. 894902000

PART NO.

476602000 BLACK

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. TYP.		NGS 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

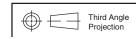
> Suggested LED for J82 & J84 options Dimensions for reference only

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.





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Largest Supplier of Electrical and Electronic Components

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893102000 00-5150 LZZ1A 0098.9234 61-9451.0 M2PA-5011 630155 635401 6PA113 6PA147-E6 6PA148-E6 6PA32 6PA9 700109
700303A56 700C1GRY 700C2GRN 704-6001 704.960.9 704.965.2 704.965.6 704.966.0 7089-3 710082-B11 71M1048 757200264
764300000 MHU35 MHU37 807039-1 825.003.011 825.005.011 825.053.011 825.055.011 826.000.071 827.020.011 827.400.021
835.900.023 MML52C10C MML52E10C MML92HGH MML93K 84211M02CNNS 84212M02CNNS 84217A8.0LNOS 842.500.011
843.000.011 843187-000 843487-000 84-901