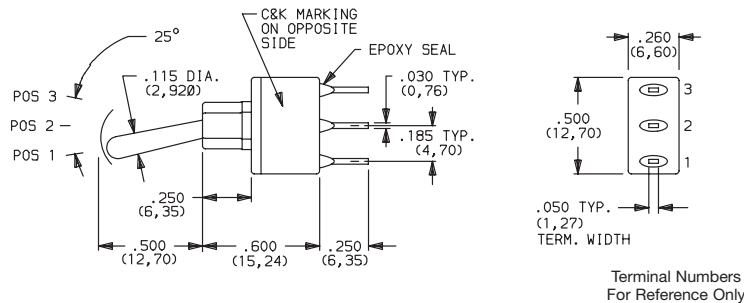


E Series Sealed Miniature Toggle Switches

SWITCH FUNCTION

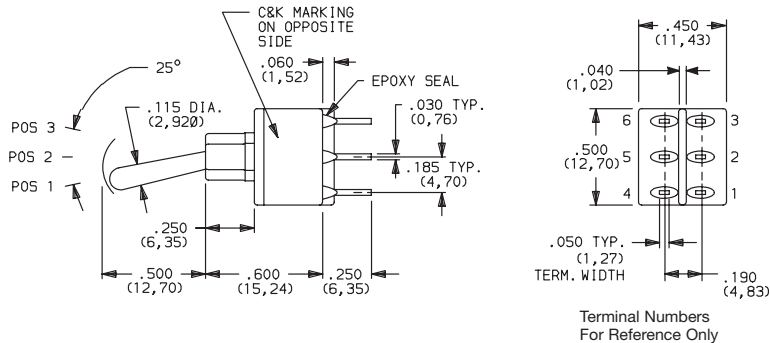
NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
SP	E101	ON	NONE	ON	2-3	N/A	2-1	
	E103	ON	OFF	ON	2-3	OPEN	2-1	
	E105	MOM.	OFF	MOM.				
	E107	ON	OFF	MOM.				
	E108	ON	NONE	MOM.				

SPDT



DP	E201	ON	NONE	ON	2-3,5-6	N/A	2-1,5-4	
	E203	ON	OFF	ON	2-3,5-6	OPEN	2-1,5-4	
	E205	MOM.	OFF	MOM.				
	E207	ON	OFF	MOM.				
	E208	ON	NONE	MOM.				
	E211**	ON	ON	ON				
	E213**	ON	ON	MOM.				
E215**	MOM.	ON	MOM.	2-3,5-6	2-3,5-4	2-1,5-4		

DPDT



MOM. = Momentary

** Wiring for 3-way switch

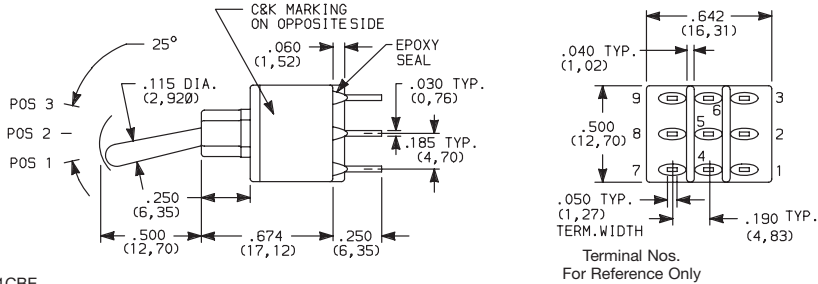
All models with all options when ordered with G,R, Q or S contact material except with F1 conductive bushing.

E Series Sealed Miniature Toggle Switches

SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
		C&K marking on opposite side			C&K marking on opposite side			
3P	E301	ON	NONE	ON	2-3,5-6,8-9	N/A	2-1,5-4,8-7	

3PDT



Part number shown: E301SD1CBE

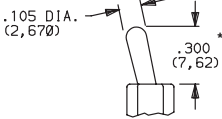
** [Wiring for 3-way switch](#)

MOM. = Momentary

All models with all options when ordered with G, R, Q or S contact material except with F1 conductive bushing.

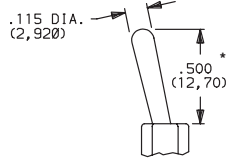
ACTUATOR

M .300" HIGH



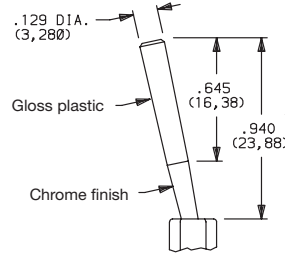
Standard when ordered with A, A3, AV2, AV3, V2-V61 terminations. Finish: Chrome.

S .500" HIGH



Standard when ordered with C, Z, Z3, W & W4 terminations. Finish: Chrome

L3 PLASTIC, .940" HIGH



OPTION CODE	L3 ACTUATOR COLOR
2	BLACK

Other colors available, consult Customer Service Center. No color choice required for S & M actuators.

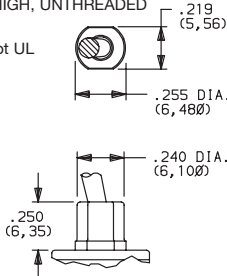
* Actuators shown with standard D1 bushing. Subtract .030 (0,76) for D9 bushing. Subtract .100 (2,54) for Y bushing.

BUSHING

D1 .250" HIGH, UNTHREADED

F1 ESD CONDUCTIVE BUSHING, .250" HIGH, UNTHREADED

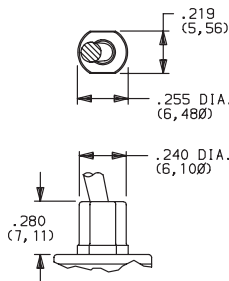
F1 bushing is not UL approved



ESD protection depends on proper grounding of switch support bracket. F1 conductive bushing option is impregnated with carbon fibers; dissipates electrostatic discharge (ESD) up to 20,000 V from actuator to ground.

Available with M & S actuator options and A, A3, AV2, AV3, V3-V61 termination options.

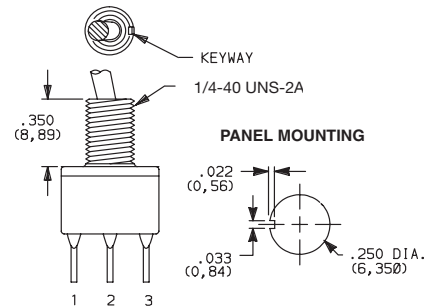
D9 .280" HIGH, UNTHREADED



E3XX models not available with D9 bushing.

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

Y THREADED, INSULATED, .350" HIGH WITH KEYWAY



Available only with C, Z, Z3, & W terminations. Available for 1&2 pole only.

Hardware: One dress nut part number 299D01201, one hex nut part number 540400201 and lockwasher part number 700303202 supplied standard.

Will withstand 4 in.-lbs. of torque with no distortion.



Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

Toggle

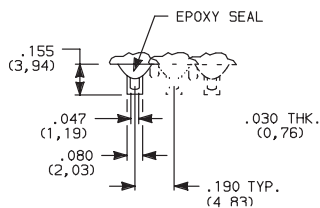


15 Jan 21

E Series Sealed Miniature Toggle Switches

TERMINATIONS

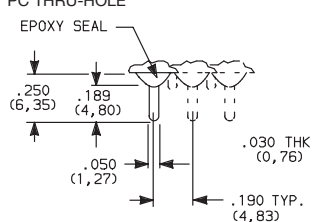
Z SOLDER LUG



Not available with F1 conductive bushing or P, R or S contact material.

SPDT thru 3PDT

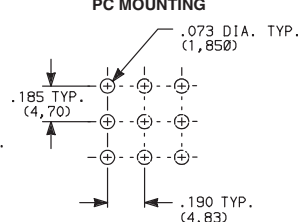
C PC THRU-HOLE



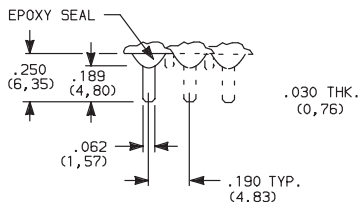
SPDT thru 3PDT

Not available with F1 conductive bushing.

PC MOUNTING



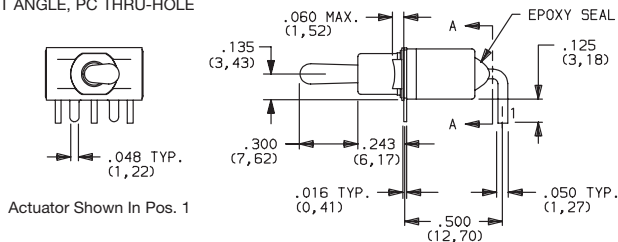
Z3 QUICK CONNECT



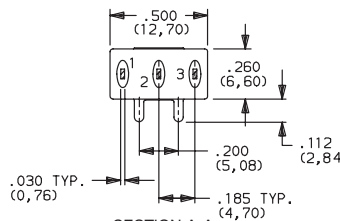
Not available with F1 conductive bushing or P, R or S contact material. Mating quick connector available; order part number 530100000, page F-16.

SPDT thru 3PDT

A RIGHT ANGLE, PC THRU-HOLE



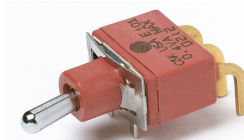
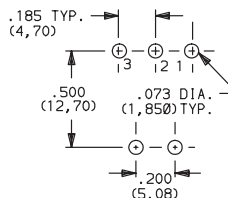
Actuator Shown In Pos. 1



SECTION A-A

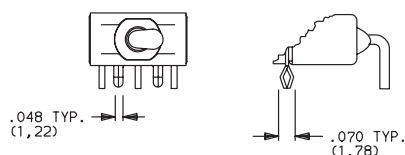
Terminal Nos. For Reference Only

PC MOUNTING



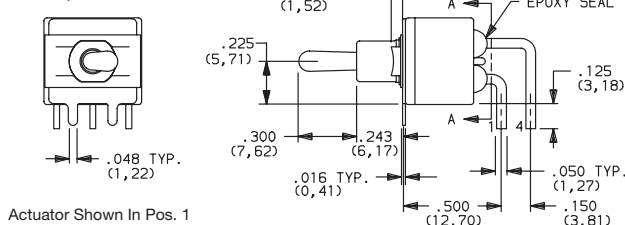
E101MD1ABE
Horizontal Actuation
SPDT

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

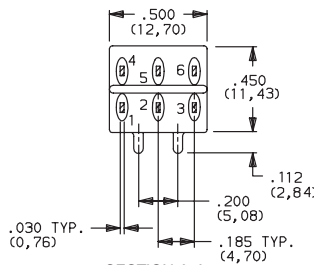


Not available with Y bushing.
Terminal bend radii and lead-in manufacturing option.

A RIGHT ANGLE, PC THRU-HOLE



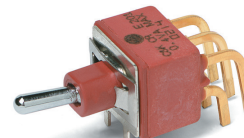
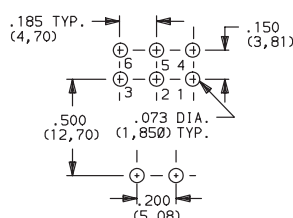
Actuator Shown In Pos. 1



SECTION A-A

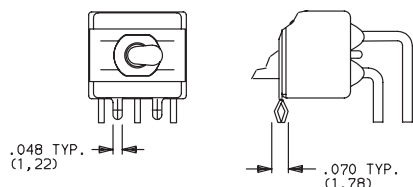
Terminal Nos. For Reference Only

PC MOUNTING



E201MD1ABE
Horizontal Actuation
DPDT

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



Not available with Y bushing.
Terminal bend radii and lead-in manufacturing option.

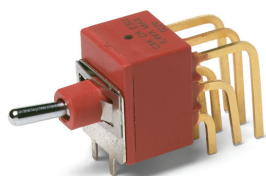


Third Angle Projection
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

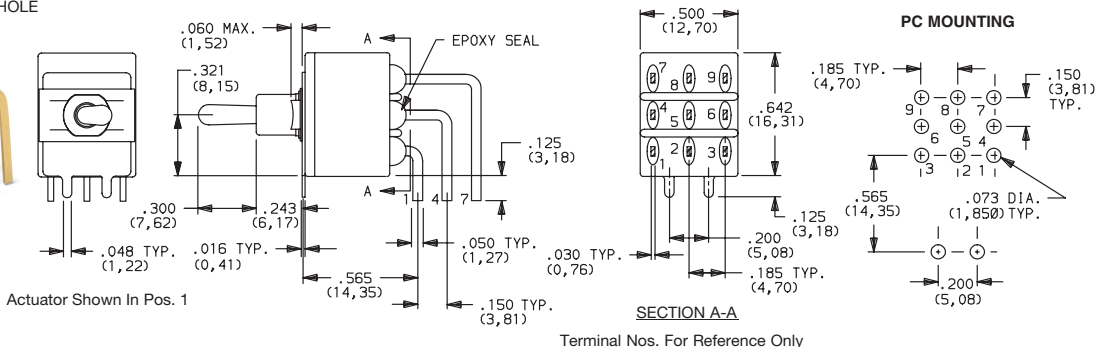
E Series Sealed Miniature Toggle Switches

TERMINATIONS

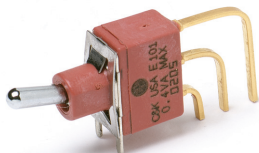
A RIGHT ANGLE, PC THRU-HOLE



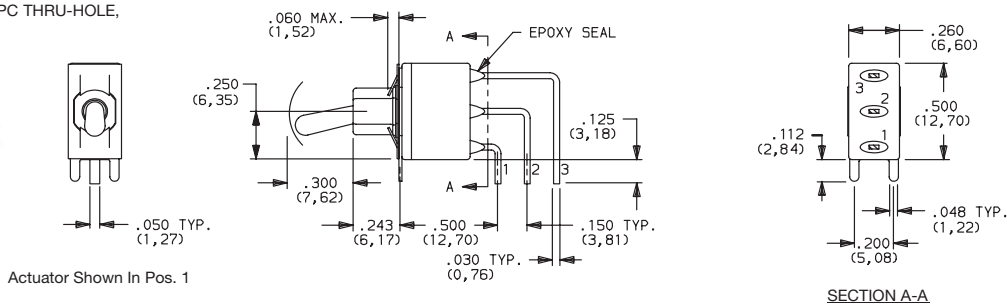
E301MD1ABE
Horizontal Actuation
3PDT



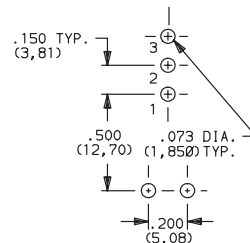
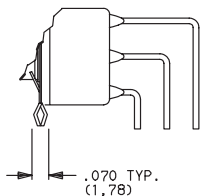
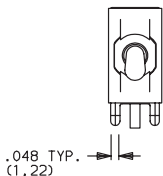
AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE, .150" PITCH



E101MD1AV2BE
Vertical Actuation
SPDT

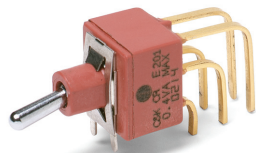


AV3 VERTICAL RIGHT ANGLE, SNAP-IN, PC THRU-HOLE, .150" PITCH

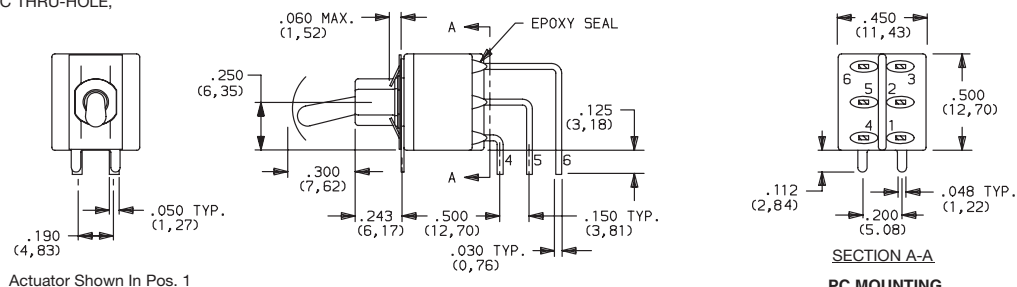


Not available with Y bushing.
Terminal bend radii and lead-in manufacturing option.

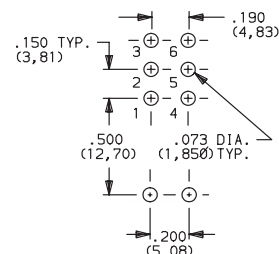
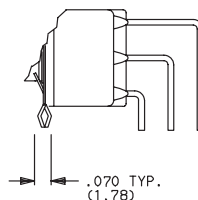
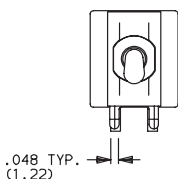
AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE, .150" PITCH



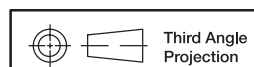
E201MD1AV2BE
Vertical Actuation
DPDT



A3 VERTICAL RIGHT ANGLE, SNAP-IN, PC THRU-HOLE, .150" PITCH



Not available with Y bushing.
Terminal bend radii and lead-in manufacturing option.

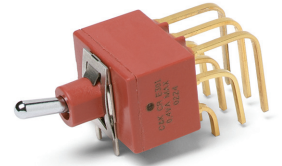
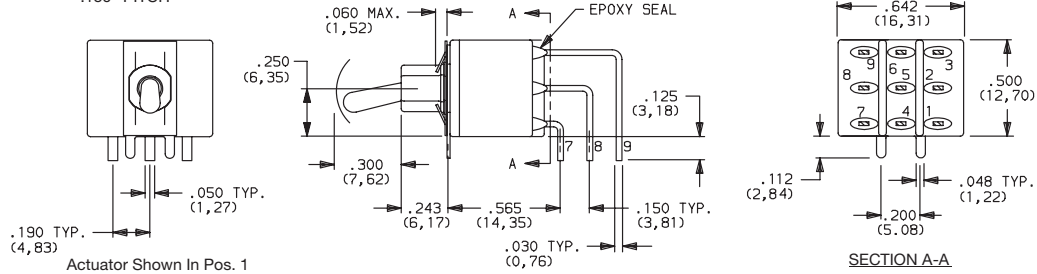


Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

E Series Sealed Miniature Toggle Switches

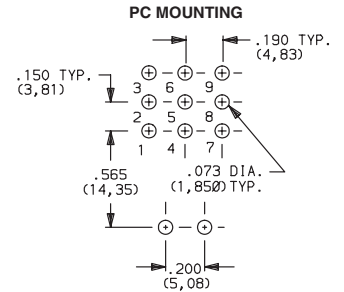
TERMINATIONS

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



E301MD1AV2BE
Vertical Actuation
3PDT

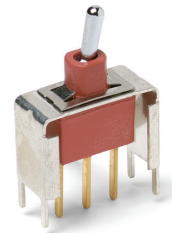
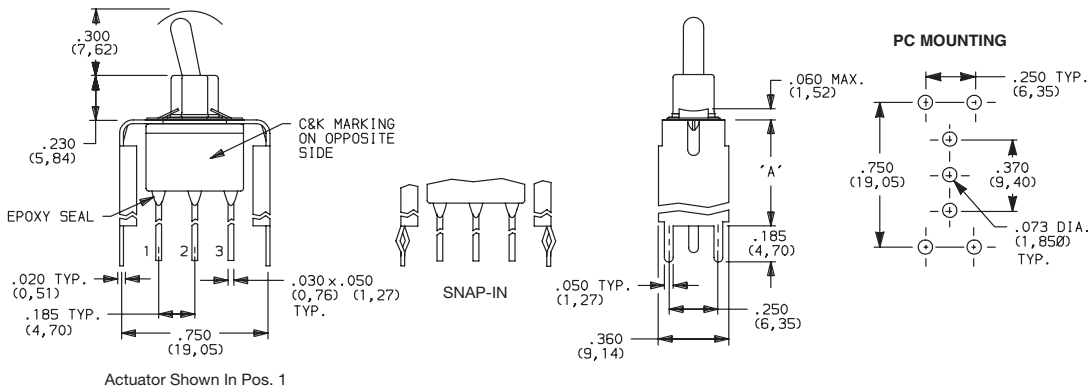
AV3 VERTICAL RIGHT ANGLE, SNAP-IN, PC THRU-HOLE
.150" PITCH



Not available with D9 & Y bushings.
Terminal bend radii and lead-in manufacturing option.

V6 VERTICAL MOUNT, V-BRACKET

V61 VERTICAL MOUNT, V-BRACKET, SNAP-IN



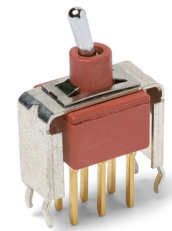
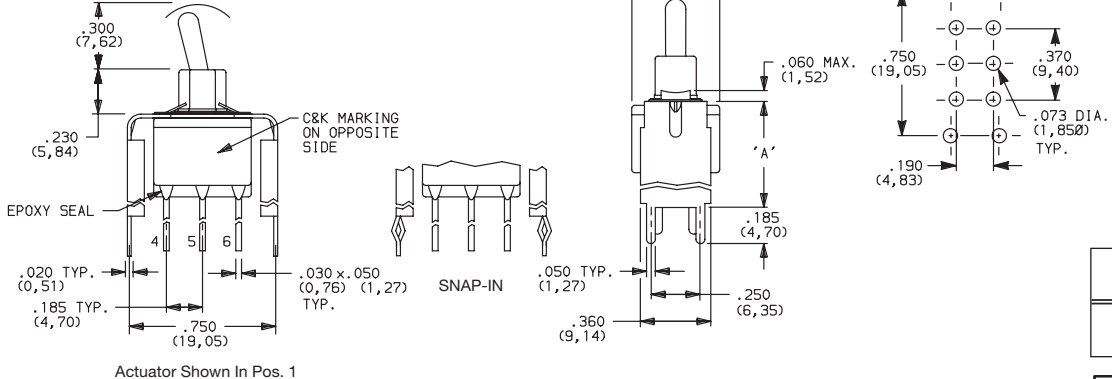
E101MD1_BE
SPDT

OPTION CODE	DIM 'A'
V6, V61	.460 (11,68)

Not available with Y bushing.

V6 VERTICAL MOUNT, V-BRACKET

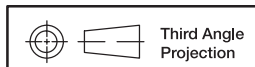
V61 VERTICAL MOUNT, V-BRACKET, SNAP-IN



E201MD1_BE
DPDT

OPTION CODE	DIM 'A'
V6, V61	.460 (11,68)

Not available with Y bushing.



15 Jan 21

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



F

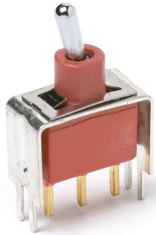
Toggle

E Series Sealed Miniature Toggle Switches

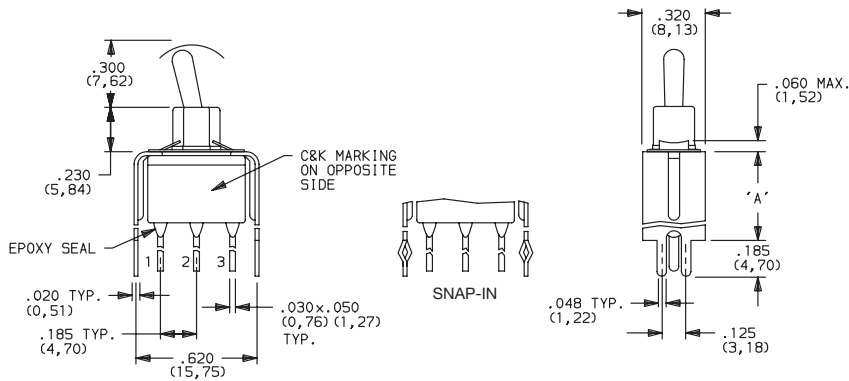
TERMINATIONS

V3, V9 VERTICAL MOUNT, V-BRACKET

V31 VERTICAL MOUNT, V-BRACKET, SNAP-IN

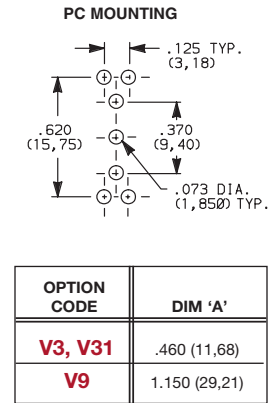


E101MD1_BE
SPDT



Actuator Shown In Pos. 1

Not available with Y bushing.

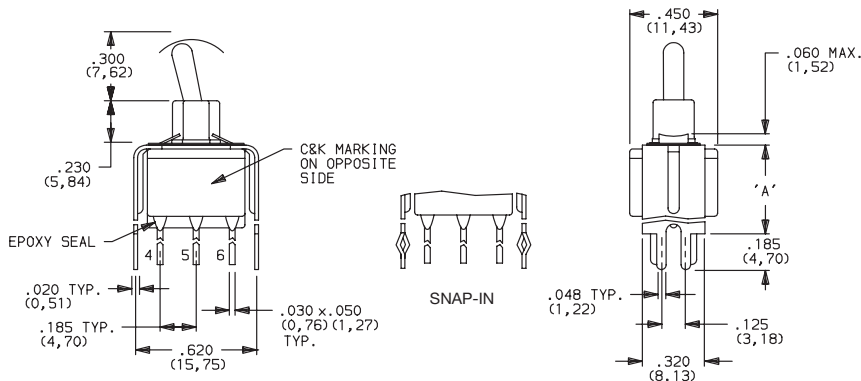


V3, V9 VERTICAL MOUNT, V-BRACKET

V31 VERTICAL MOUNT, V-BRACKET, SNAP-IN

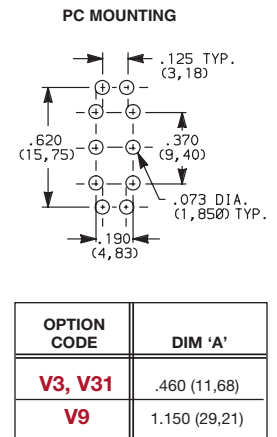


E201MD1_BE
DPDT

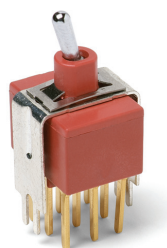


Actuator Shown In Pos. 1

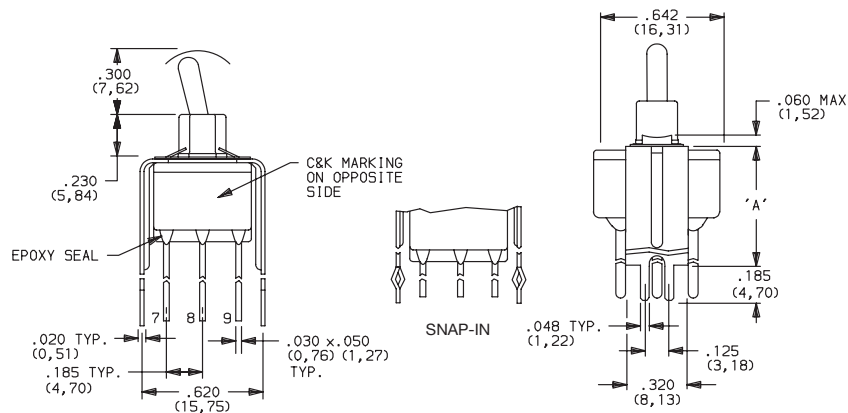
Not available with Y bushing.



V9 VERTICAL MOUNT, V-BRACKET

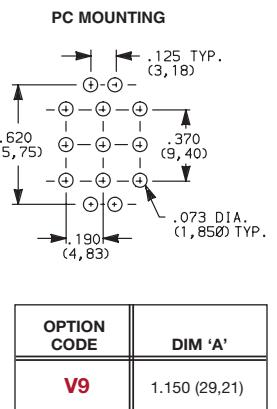


E301MD1_BE
3PDT

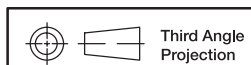


Actuator Shown In Pos. 1

Not available with D9 & Y bushings.



Toggle



E Series Sealed Miniature Toggle Switches

CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
B	GOLD ¹	GOLD ¹	LOW LEVEL/ DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
P		MATTE-TIN ⁶		
Q	SILVER ^{4,5}	SILVER ⁵	POWER	E1XX & E2XX MODELS: 7.5 AMPS @ 125 V AC OR 28 V DC; 3 AMPS @ 250 V AC. E3XX MODELS: 5 AMPS @ 125 V AC OR 28 V DC; 2 AMPS @ 250 V AC.
S		MATTE-TIN ⁶		
G	GOLD OVER SILVER ^{2,3}	GOLD ³	LOW LEVEL/DRY CIRCUIT OR POWER	E1XX AND E2XX MODELS: 0.4 VA MAX @20 V AC OR DC MAX. OR 7.5 AMPS @125 V AC OR 28 V DC; 3 AMPS @ 250 V AC. DC E3XX MODELS: 0.4 VA MAX. @ 20 V AC OR DC MAX. OR 5 AMPS @ 125 V AC OR 28 V DC; 2 AMPS @ 250 V AC.
R		MATTE-TIN ⁶		

* 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.

⁵ CENTER CONTACT & ALL TERMINALS: Copper alloy, with gold flash over silver plate. Or copper alloy, silver plated.

⁶ 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.

All models  with all options when ordered with S, R, G, or Q contact material except with F1 conductive bushing.

B contact material standard with all terminations.

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

C&K Switches:

[E101SD1V3GE](#) [E105MD1AV2BE](#) [E105MD1ABE](#) [E105SD1CBE](#) [E101SYCBE](#) [E108SD1CBE](#) [E103SD1CBE](#)
[E103MD1AV2BE](#) [E203MD1AV2BE](#) [E105SYCBE](#) [E301MD1AV2BE](#) [E101MD1AV2BE](#) [E201MD1AV2BE](#)
[E101SD1CBE](#) [E101MD1ABE](#) [E101SD1ABE](#) [E201SD1CBE](#) [E108MD1V3BE](#) [E103MD1V3BE](#) [E301MD1AGE](#)
[E103SYCQE](#) [E101MD1CBE](#) [E201SD1ABE](#) [E101SD1AV2BE](#) [E201MD1ABE](#) [E103SD1AV2BE](#) [E203SD1ABE](#)
[E103MD1ABE](#) [E203SD1CBE](#) [E103SD1ABE](#) [E203MD1ABE](#) [E105SD1V31BE](#) [E103SYZGE](#) [E211MD1AV2GE](#)
[E211SYCBE](#) [E215SYZBE](#) [E215SYCBE](#) [E101L3D1ABE2](#) [E101MD1A3SE](#) [E101MD1AV2RE](#) [E101MD1AV3GE](#)
[E101MD1V31BE](#) [E101MYZ3QE](#) [E101SD1AV2QE](#) [E101SD1AV3GE](#) [E101SD1V6BE](#) [E101SYCKE](#) [E101SYCRE](#)
[E103MD1AV2QE](#) [E103SD1AV2PE](#) [E103SD1AV3PE](#) [E103SD1V6BE](#) [E105MD1V3QE](#) [E105SD1AQE](#) [E105SD1V6BE](#)
[E107SF1ABE](#) [E107SYCBE](#) [E108MD1AQE](#) [E108MD1V9BE](#) [E108MD9AV2BE](#) [E108SD9AV2BE](#) [E108SYCBE](#)
[E201MD1AKE](#) [E201MD1APE](#) [E201MD9V6GE](#) [E201SYCGE](#) [E203L3D1V3QE2](#) [E203MD9V3BE](#) [E205MD1AV2BE](#)
[E205MD9ABE](#) [E205MD9AV2BE](#) [E205SD1ABE](#) [E205SD9ABE](#) [E205SYCQE](#) [E205SYZQE](#) [E207MD1V3BE](#)
[E207MD9ABE](#) [E207MD9AV2BE](#) [E207MD9V3BE](#) [E207SD1ABE](#) [E208MD1ABE](#) [E208MD9ABE](#) [E208MD9AV2BE](#)
[E208MD9V3BE](#) [E211MD1AV3BE](#) [E211MD9V3BE](#) [E211MF1ABE](#) [E211SD1AGE](#) [E213MD1AQE](#) [E213MD9AGE](#)
[E215L3D1V3GE2](#) [E215MD1CGE](#) [E215SD1CLE](#) [E301SD1CKE](#) [E101L3D1V3GE2](#) [E101MD1A3BE](#) [E101MD1AGE](#)
[E101MD1AME](#) [E101MD1AQE](#) [E101MD1AV2GE](#)