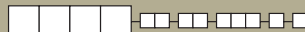




EP Series Sealed Tiny Pushbutton Switches

SWITCH FUNCTION



NO. POLES	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS		SCHEMATIC
		POS. 1	POS. 2	POS. 1	POS. 2	
		C&K marking on opposite side		C&K marking on opposite side		
SP	EP11	OFF	MOM.	OPEN	1-3	SPST
	EP12	ON	MOM.	2-1	2-3	SPDT
SPDT						
DP	EP21	OFF	MOM.	OPEN	1-3,4-6	DPST
DPST						

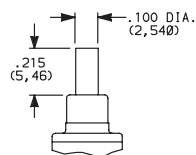
MOM. = Momentary

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

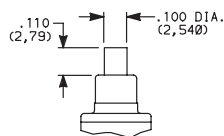
PLUNGER



S .215" HIGH

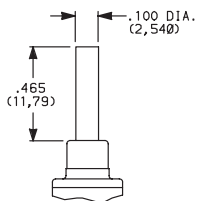


S1 .110" HIGH

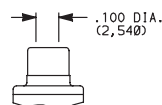


S1 & S2 actuators are not available with EP12 & EP21 models.

S2 .465" HIGH

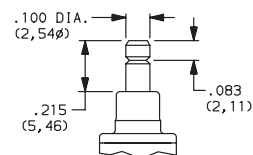


FP FLUSH PLUNGER



FP & R actuators are not available with EP21 model.
R actuators are not available with EP12 model.

R SNAP-FITTING

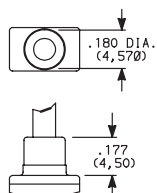


NOTE: Caps available for plunger options, see page A-14.

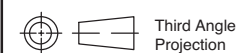
BUSHING



D1 UNTHREADED



NOTE: Internal actuator o-ring standard.



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

C&K

5 Aug 20

EP Series Sealed Tiny Pushbutton Switches

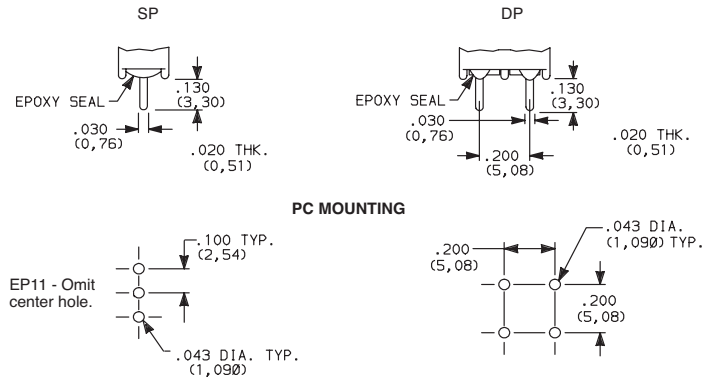


A
Pushbutton

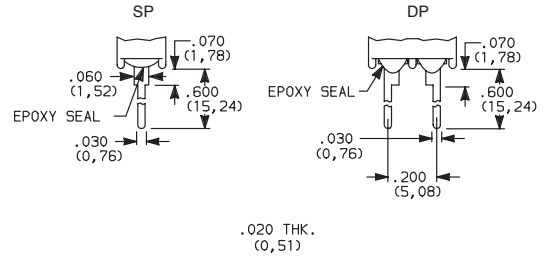
TERMINATIONS



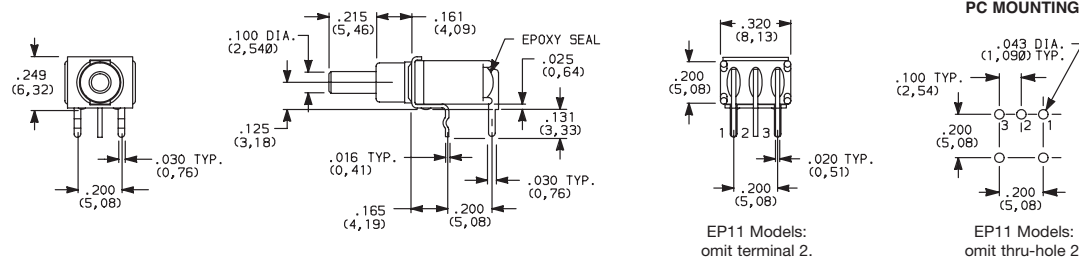
C PC THRU-HOLE



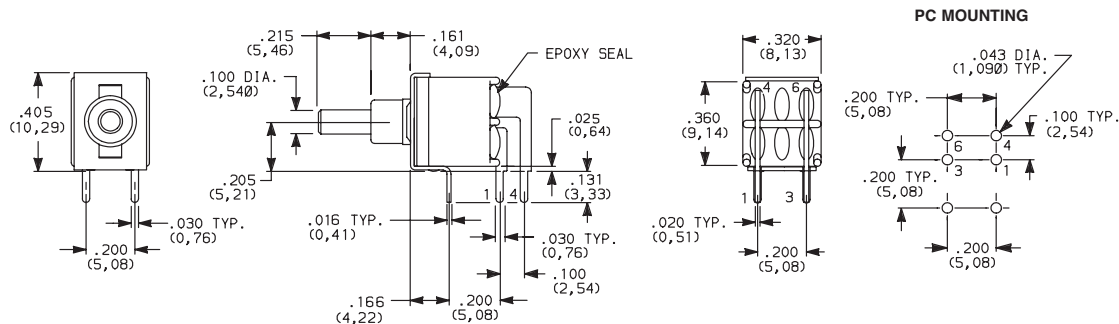
W WIRE WRAP



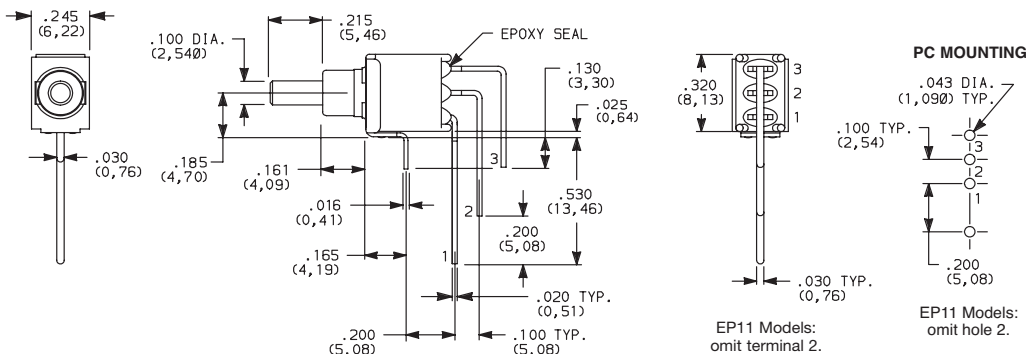
A RIGHT ANGLE, PC THRU-HOLE



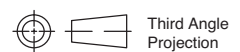
A RIGHT ANGLE, PC THRU-HOLE



AV VERTICAL RIGHT ANGLE, PC THRU-HOLE



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



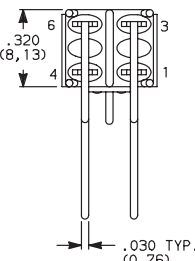
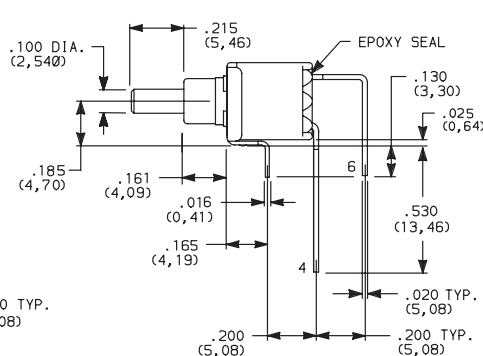
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

C&K

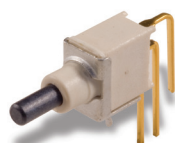
5 Aug 20



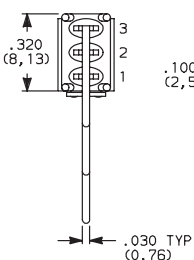
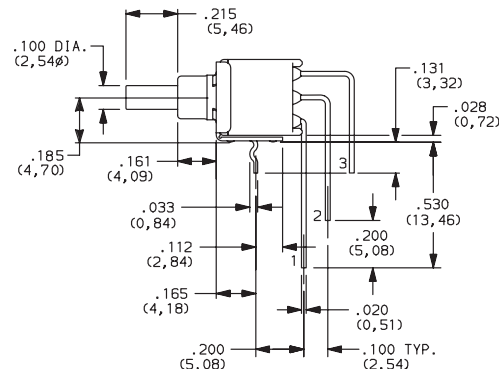
TERMINATIONS



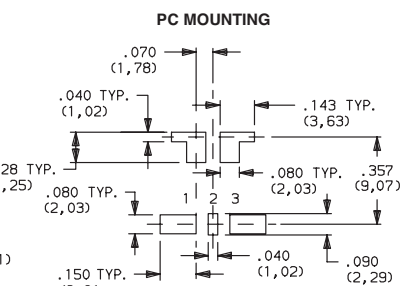
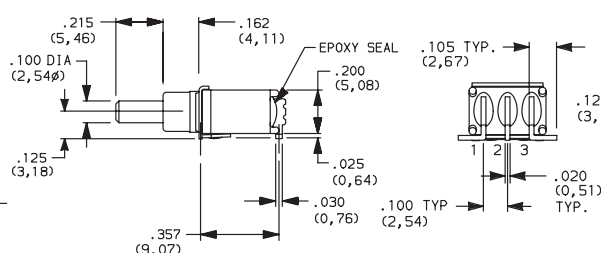
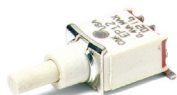
AV3 VERTICAL RIGHT ANGLE, SNAP-IN, PC THRU-HOLE



Technical drawing of a cable connector. The drawing shows a cross-section of the connector with a central circular opening. Dimensions are indicated with arrows and text: the outer diameter is .245 (6, 22) and the inner diameter is .0 (0).

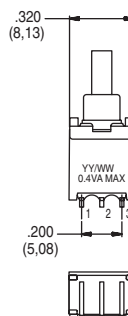
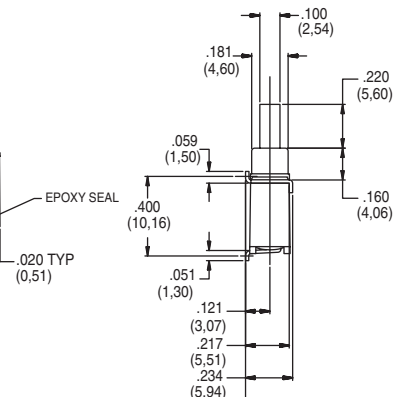


SA RIGHT ANGLE, SURFACE MOUNT

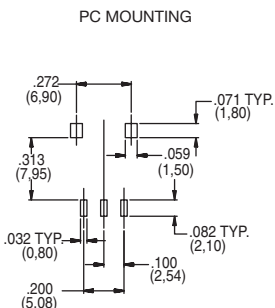


EP11 Models:
omit terminal 2.

SA1 RIGHT ANGLE. SURFACE MOUNT



TERMINAL NOS
FOR REF ONLY



Third Angle
Projection

5 Aug 20

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

www.ckswitches.com

EP Series Sealed Tiny Pushbutton Switches



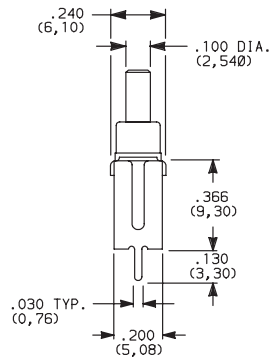
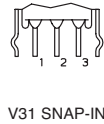
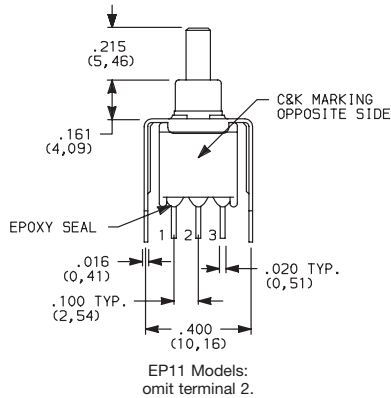
A
Pushbutton

TERMINATIONS

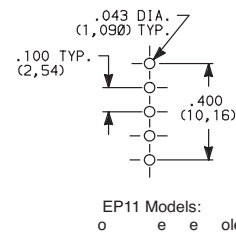


V3 VERTICAL MOUNT, V-BRACKET

V31 VERTICAL MOUNT, V-BRACKET, SNAP-IN



PC MOUNTING

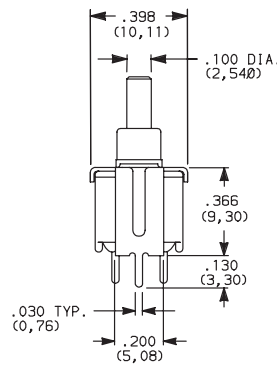
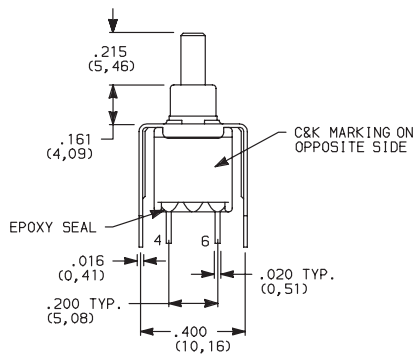


EP11 Models:
o e e ole

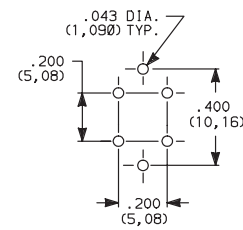


**EP12SD1V3BE
SPDT**

V3 VERTICAL MOUNT, V-BRACKET



PC MOUNTING



**EP21SD1V3BE
DPST**

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	1 AMP @ 120 V AC OR 28 V DC.
S		MATTE-TIN ⁶		
G	GOLD OVER SILVER ^{2,3}	GOLD ³	LOW LEVEL/DRY CIRCUIT OR POWER	0.4 VA MAX @ 20 V AC OR DC MAX. OR 1 AMP @ 120 V AC OR 28 V DC.
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.

⁶ TERMINALS: Copper alloy, with matte tin 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, silver plated.

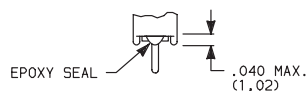
NOTE: Any models supplied with Q, B, P, S, R or G contact material are RoHS compliant.

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

SEAL



E EPOXY SEAL



C&K

5 Aug 20

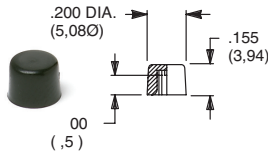
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change



EP Series Sealed Tiny Pushbutton Switches

AVAILABLE HARDWARE

Cap



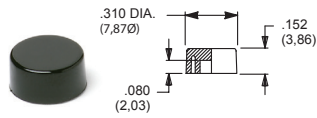
PART NO.

508101000 WHITE
508102000 BLACK
508103000 RED

Material: Nylon
Finish: Gloss

Not for use on S1 plunger

Cap



PART NO.

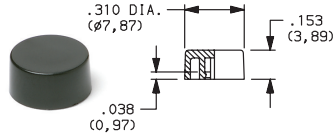
465801000 WHITE
465802000 BLACK
465803000 RED

Material: Nylon
Finish: Gloss

Not for use on S1 plunger

Cap

Compatible with snap-fitting plungers
EP11 & EP12 Models. R option only.



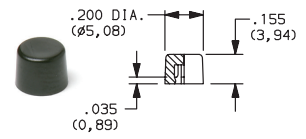
PART NO.

585A01000 WHITE
585A02000 BLACK
585A03000 RED

Material: Nylon
Finish: Gloss

Cap

Compatible with snap-fitting plungers
EP11 & EP12 Models. R option only.



PART NO.

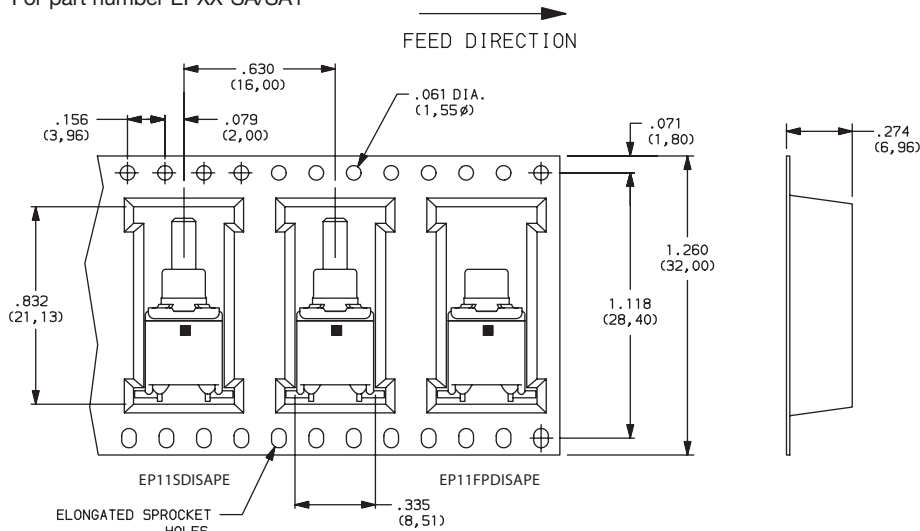
785A01000 WHITE
785A02000 BLACK
785A03000 RED

Material: Nylon
Finish: Gloss

NOTE: Other colors available, consult Customer Service Center.

TAPE & REEL

For part number EPXX-SA/SA1



REEL INFORMATION	
OUTSIDE DIAMETER	13.00 (330,0)
PILOT HOLE	.512 (13,0)
QUANTITY PER REEL	600

Mouser Electronics

Authorized Distributor

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

C&K Switches:

[EP11FPD1ABE](#) [EP11SD1CBE](#) [EP11SD1ABE](#) [EP11SD1AVBE](#) [EP11S1D1CBE](#) [EP21SD1AVBE](#) [EP21SD1CBE](#)
[EP21SD1ABE](#) [EP12FPD1CBE](#) [EP12SD1CBE](#) [EP12SD1AVBE](#) [EP12SD1ABE](#) [EP12FPD1ABE](#) [EP11SD1AVQE](#)
[EP11SD1APE](#) [EP11S2D1AVBE](#) [EP11SD1SAPE](#) [EP11FPD1SAPE](#) [EP12SD1SAPE](#) [EP11SD1SA1BE](#)
[EP11SD1AVPE](#) [EP12SD1SA1BE](#) [EP11FPD1APE](#) [EP12FPD1APE](#) [EP12SD1APE](#) [EP11FPD1AV3BE](#)
[EP11FPD1CGE](#) [EP11RD1CPE](#) [EP11S1D1APE](#) [EP11S1D1AV3BE](#) [EP11S1D1CGE](#) [EP11S2D1CSE](#) [EP11SD1ALE](#)
[EP11SD1ARE](#) [EP11SD1AV3QE](#) [EP11SD1V31PE](#) [EP12FPD1CQE](#) [EP12SD1AV3BE](#) [EP11FPD1V31BE](#)
[EP11FPD1AGE](#) [EP11FPD1AKE](#) [EP11FPD1AVBE](#) [EP11FPD1CBE](#) [EP11FPD1V3BE](#) [EP11RD1ABE](#) [EP11RD1AVBE](#)
[EP11RD1CBE](#) [EP11S1D1ABE](#) [EP11S2D1ABE](#) [EP11S2D1CBE](#) [EP11SD1AGE](#) [EP11SD1AME](#) [EP11SD1AQE](#)
[EP11SD1CQE](#) [EP11SD1V31BE](#) [EP11SD1V31QE](#) [EP11SD1V3BE](#) [EP11SD1V3QE](#) [EP11SD1WBE](#) [EP12FPD1AQE](#)
[EP12FPD1AVBE](#) [EP12FPD1SAPE](#) [EP12SD1AGE](#) [EP12SD1AME](#) [EP12SD1AQE](#) [EP12SD1AVGE](#) [EP12SD1CGE](#)
[EP12SD1CLE](#) [EP12SD1CQE](#) [EP12SD1V31BE](#) [EP12SD1V3BE](#) [EP12SD1V3GE](#) [EP12SD1WBE](#) [EP12SD1WGE](#)
[EP21SD1CQE](#) [EP21SD1V3BE](#) [EP11S1D1SAPE](#) [EP11S2D1SAPE](#) [EP11SD1CPE](#) [EP11SD1V3PE](#) [EP12FPD1V3BE](#)
[EP12SD1ASE](#) [EP12SD1AVPE](#)