

A

Pushbutton



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Pushbutton

C&K EP Series Sealed Tiny Pushbutton Switches

SWITCH FUNCTION

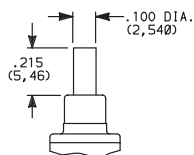
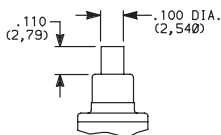
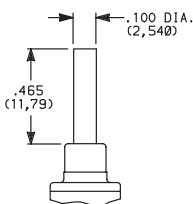
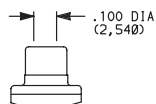
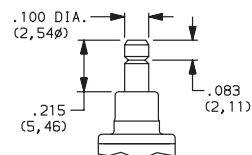


NO. POLES	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS		SCHEMATIC
		POS. 1	POS. 2	POS. 1	POS. 2	
		C&K marking on opposite side		C&K marking on opposite side		
SP	EP11	OFF	MOM.	OPEN	1-3	SPST
	EP12	ON	MOM.	2-1	2-3	SPDT
SPDT Part number shown: EP12SD1CBE Terminal Nos. For Reference Only						
DP	EP21	OFF	MOM.	OPEN	1-3,4-6	DPST
DPST Part number shown: EP21SD1CBE Terminal Nos. For Reference Only						

MOM. = Momentary

All models with all options when ordered with G, L, M or Q contact material.

PLUNGER

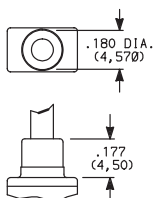
**S** .215" HIGH**S1** .110" HIGH**S2** .465" HIGH**FP** FLUSH PLUNGER**R** SNAP-FITTING

S1& S2 actuators are not available with EP12 & EP21 models or SA1 termination style.

FP & R actuators are not available with EP21 model or SA1 termination style.

NOTE: Caps available for plunger options, see page A-12.

BUSHING

**D1** UNTHREADED

NOTE: Internal actuator o-ring standard.



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



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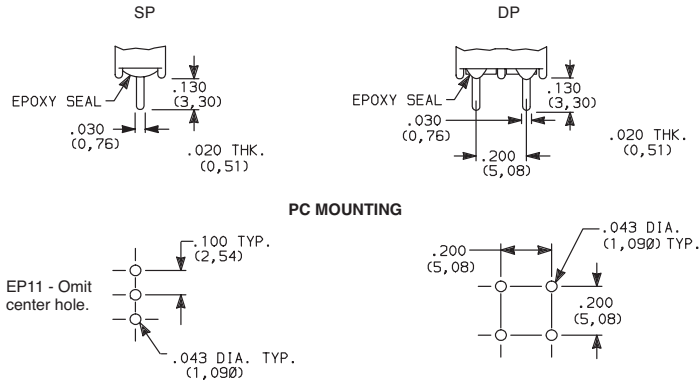
A

Pushbutton

TERMINATIONS

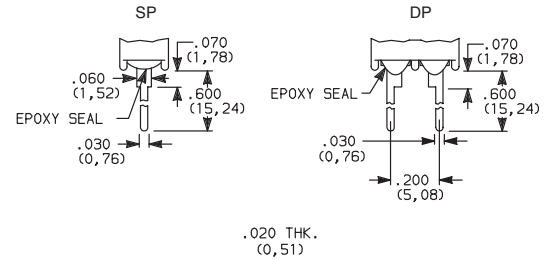


C PC THRU-HOLE



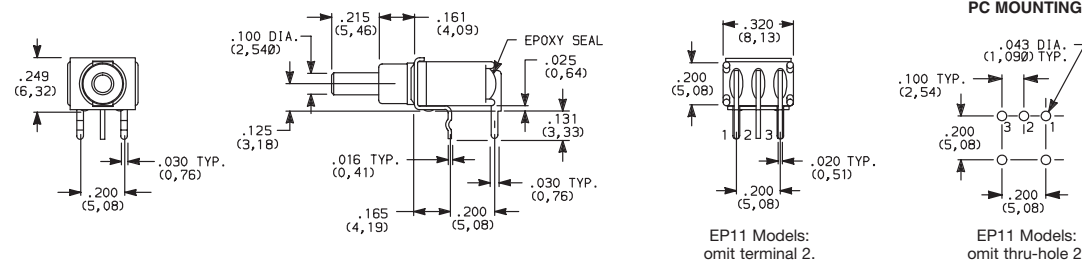
SP and DP

W WIRE WRAP



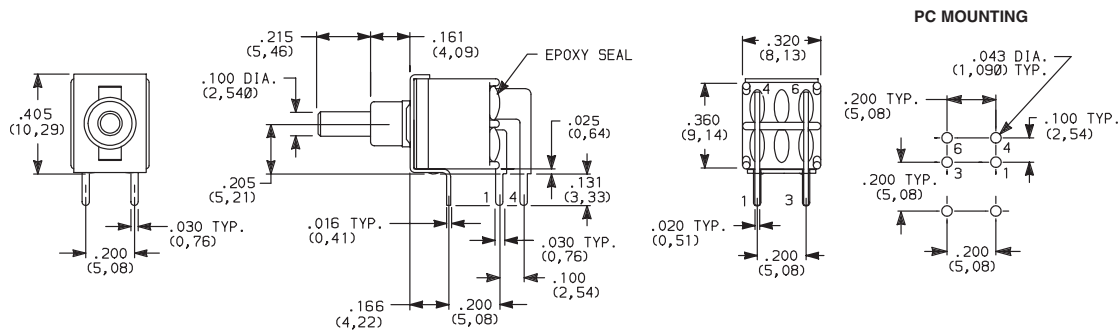
SP and DP

A RIGHT ANGLE, PC THRU-HOLE



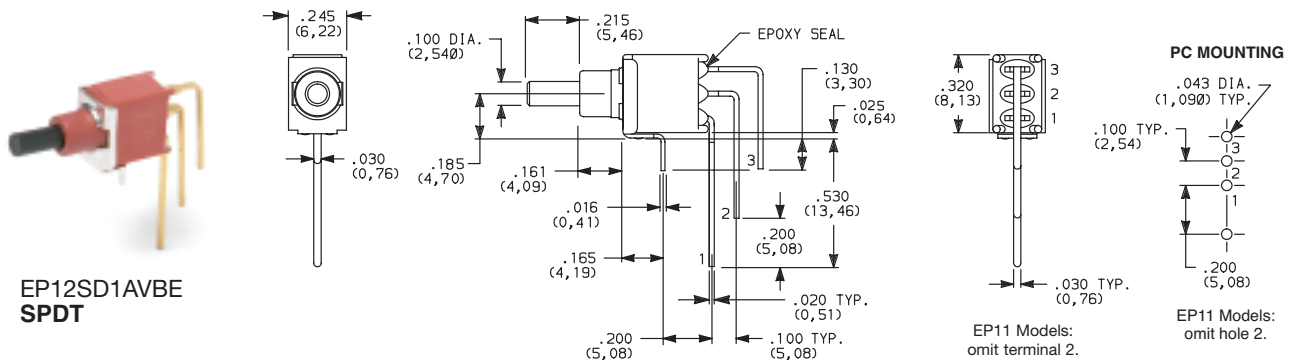
EP12SD1ABE
SPDT

A RIGHT ANGLE, PC THRU-HOLE



EP21SD1ABE
DPST

AV VERTICAL RIGHT ANGLE, PC THRU-HOLE



EP12SD1AVBE
SPDT

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



Third Angle
Projection



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



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Pushbutton

C&K EP Series Sealed Tiny Pushbutton Switches

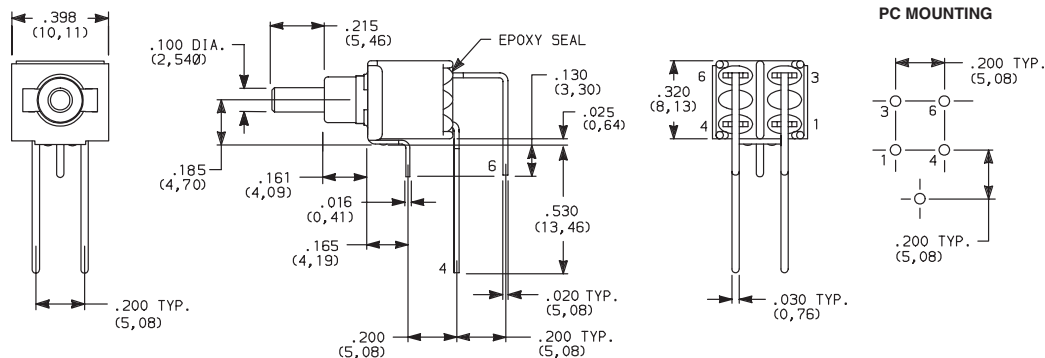
TERMINATIONS



AV VERTICAL RIGHT ANGLE, THRU-HOLE



EP21SD1AVBE
DPST

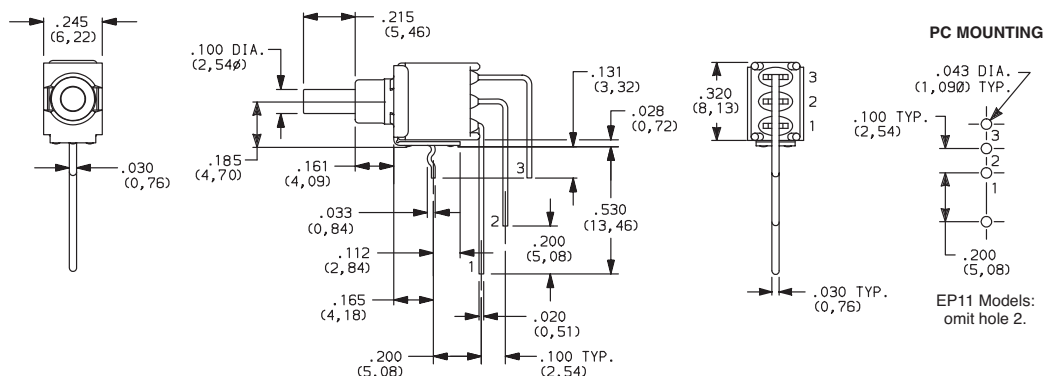


NOTE: Terminal bend radii and lead-in manufacturing option.

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



EP12SD1AV3BE
SPST

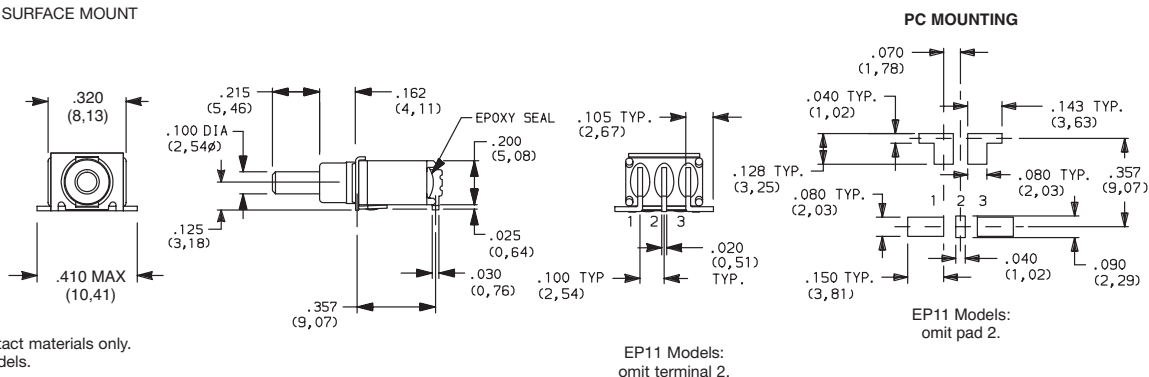


SA RIGHT ANGLE, SURFACE MOUNT

SMT



EP12SD1SAPE
SPDT

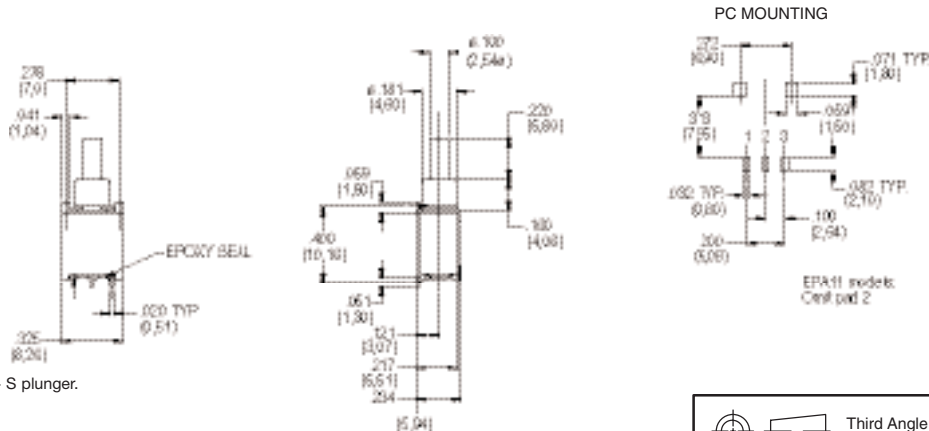


Available with K and P contact materials only.
Not Available on DPST models.

SA1 RIGHT ANGLE, SURFACE MOUNT



EP12SD1SA1BE
SPDT



SA1 is only available with B contact materials option + S plunger.
Not Available on DPST models.



ITT



Third Angle
Projection

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

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C&K EP Series Sealed Tiny Pushbutton Switches



A

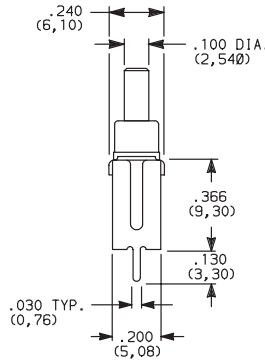
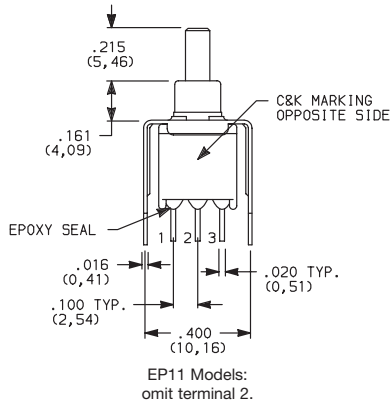
Pushbutton

TERMINATIONS

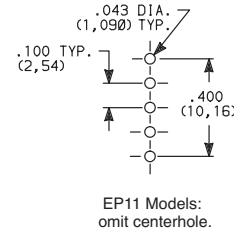


V3 VERTICAL MOUNT, V-BRACKET

V31 VERTICAL MOUNT, V-BRACKET, SNAP-IN



PC MOUNTING

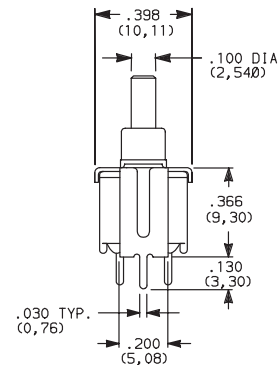
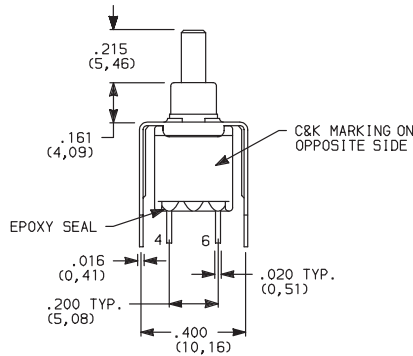


EP11 Models:
omit centerhole.

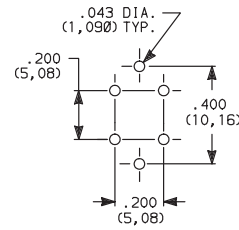
**EP12SD1V3BE
SPDT**



V3 VERTICAL MOUNT, V-BRACKET



PC MOUNTING



**EP21SD1V3BE
DPST**



CONTACT MATERIAL



OPTION CODE	RoHS COMPLIANT *	RoHS COMPATIBLE *	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
B	YES	YES	GOLD ¹	GOLD ¹	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
K	NO	YES		TIN-LEAD ⁶		
P	YES	YES		MATTE-TIN ⁷		
Q	YES	YES	SILVER ^{4,5}	SILVER ⁵	POWER	1 AMP @ 120 V AC OR 28 V DC.
M	NO	YES		TIN-LEAD ⁶		
S	YES	YES		MATTE-TIN ⁷		
G	YES	YES	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.
L	NO	YES		TIN-LEAD ⁶		
R	YES	YES		MATTE-TIN ⁷		

* 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, silver plated.

⁶ TERMINALS: Copper alloy, with tin-lead alloy over nickel plate.

⁷ TERMINALS: Copper alloy, with matte tin over nickel plate.

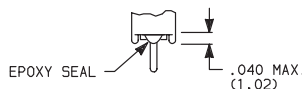
NOTE: Any models supplied with Q, B, P, S, R or G contact material are RoHS compliant. For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

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

SEAL



E EPOXY SEAL



Third Angle
Projection

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





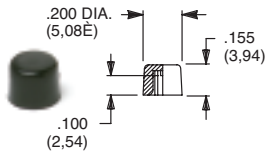
A

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AVAILABLE HARDWARE

Cap



PART NO.

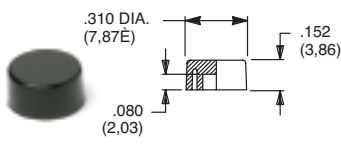
508101000 WHITE
508102000 BLACK
508103000 RED

Material: Nylon

Finish: Gloss

Not for use on S1 plunger

Cap



PART NO.

465801000 WHITE
465802000 BLACK
465803000 RED

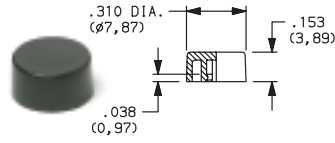
Material: Nylon

Finish: Gloss

Not for use on S1 plunger

Cap

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



PART NO.

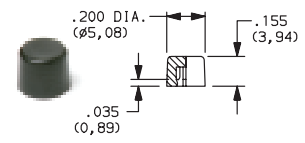
585A01000 WHITE
585A02000 BLACK
585A03000 RED

Material: Nylon

Finish: Gloss

Cap

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



PART NO.

785A01000 WHITE
785A02000 BLACK
785A03000 RED

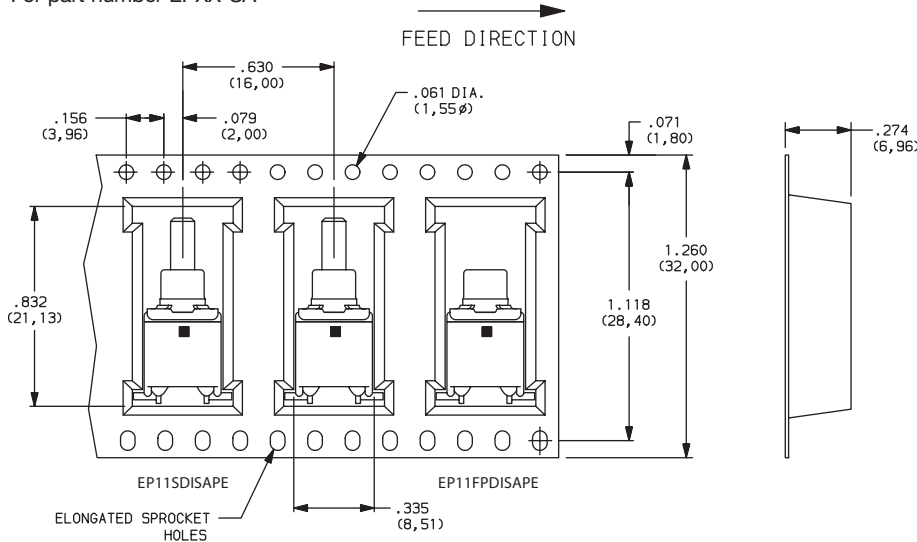
Material: Nylon

Finish: Gloss

NOTE: Other colors available, consult Customer Service Center.

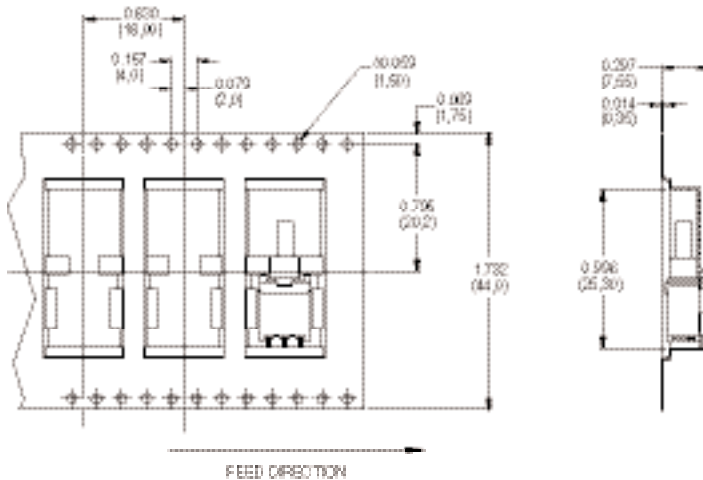
TAPE & REEL

For part number EPXX-SA



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

For part number EPXX-SA1



REEL INFORMATION	
OUTSIDE DIAMETER	13.00 (330,0)
PILOT HOLE	.795 (20,2)
QUANTITY PER REEL	500



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