

Pushbutton

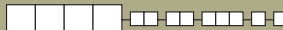
C&K EP Series Sealed Tiny Pushbutton Switches



A

Pushbutton

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 (STD.)	OFF	MOM.	OPEN	1-3	SPST
	EP12 (STD.)	ON	MOM.	2-1	2-3	SPDT
SPDT 						
DP	EP21	OFF	MOM.	OPEN	1-3,4-6	DPST
DPST 						

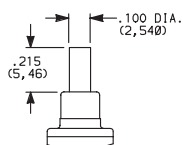
MOM. = Momentary

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

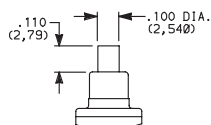
ACTUATOR



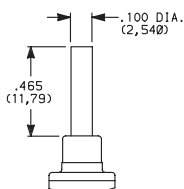
S (STD.) .215" HIGH



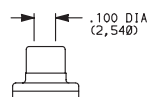
S1 .110" HIGH



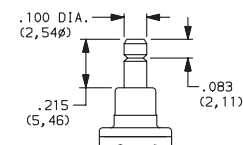
S2 .465" HIGH



FP FLUSH PLUNGER



R SNAP-FITTING



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

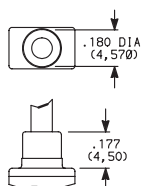
FP & R actuators are not available with EP21 model.

NOTE: Caps available for plunger options, see page A-8.

BUSHING



D1 (STD.) UNTHREADED



NOTE: Internal actuator o-ring standard.



Cannon



Third Angle
Projection
Dimensions are shown: IN (mm)
Dimensions subject to change

www.ittcannon.com

C&K EP Series Sealed Tiny Pushbutton Switches

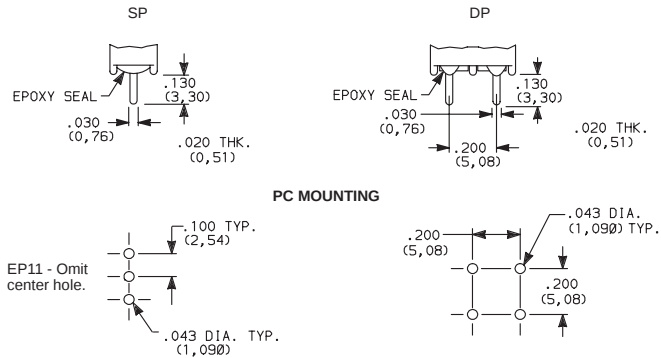
TERMINATIONS



A

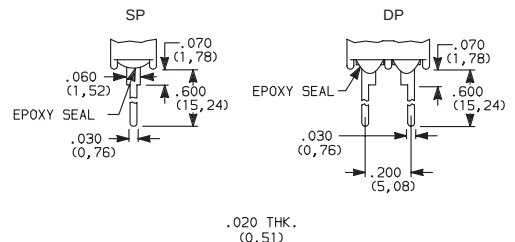
Pushbutton

C (STD.) PC THRU-HOLE



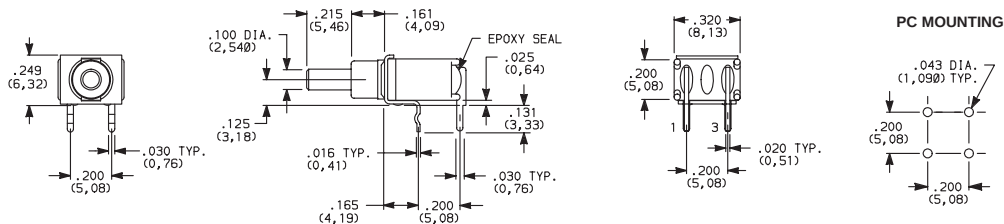
SP and DP

W WIRE WRAP



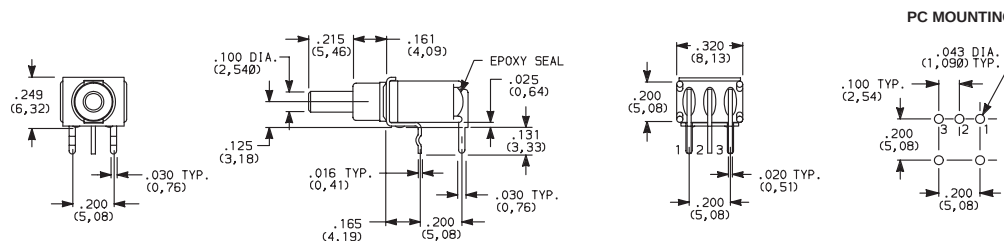
SP and DP

A (STD.) RIGHT ANGLE, PC THRU-HOLE



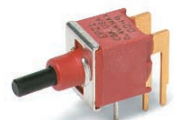
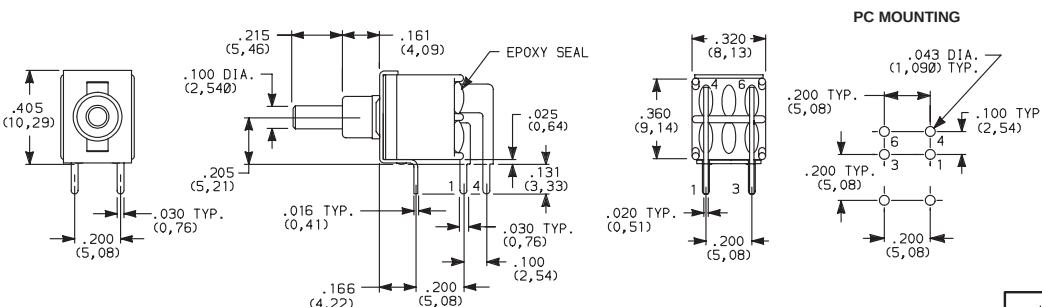
EP11SD1ABE
SPST

A (STD.) RIGHT ANGLE, PC THRU-HOLE



EP12SD1ABE
SPDT

A (STD.) RIGHT ANGLE, PC THRU-HOLE



EP21SD1ABE
DPST



Dimensions are shown: IN (mm)
Dimensions subject to change

C&K EP Series Sealed Tiny Pushbutton Switches



A

Pushbutton

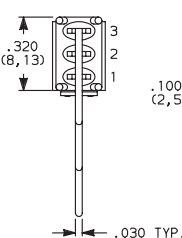
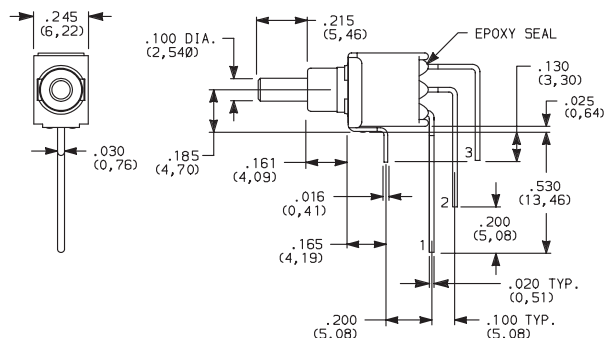
TERMINATIONS



AV (STD.) VERTICAL RIGHT ANGLE, PC THRU-HOLE



EP12SD1AVBE
SPDT



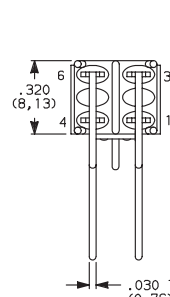
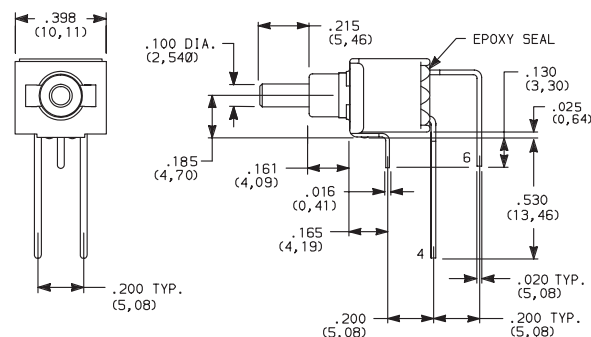
EP11 Models:
omit terminal 2.

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

AV (STD.) VERTICAL RIGHT ANGLE, THRU-HOLE

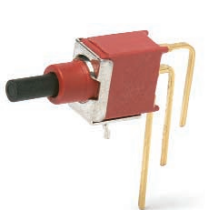


EP21SD1AVBE
DPST

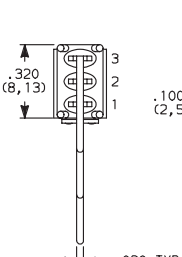
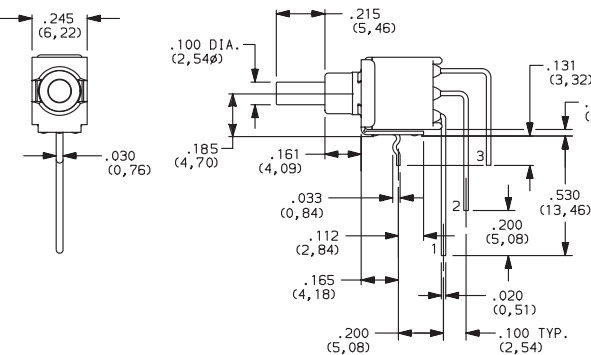


NOTE: Terminal bend radii and lead-in manufacturing option.

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



EP12SD1AV3BE
SPST



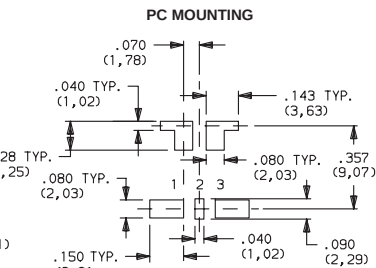
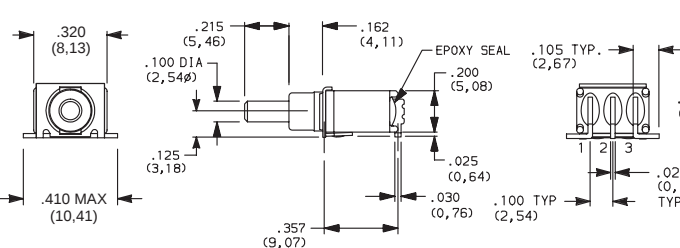
EP11 Models:
omit hole 2.

SA RIGHT ANGLE, SURFACE MOUNT

SMT



EP12SD1SAKE
SPDT



EP11 Models:
omit terminal 2.

Available with K material only.
Not Available on DPST models



Third Angle
Projection

Dimensions are shown: IN (mm)
Dimensions subject to change

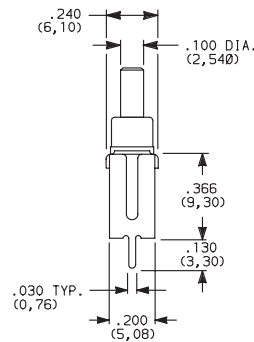
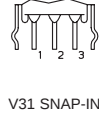
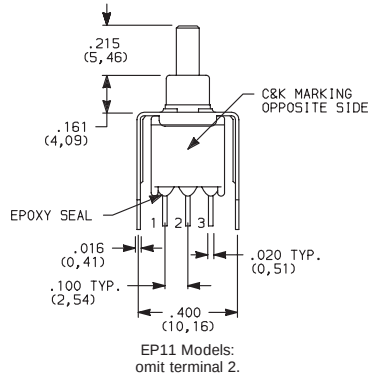
C&K EP Series Sealed Tiny Pushbutton Switches

TERMINATIONS

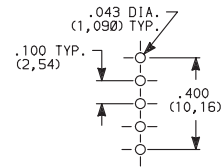


V3 VERTICAL MOUNT, V-BRACKET

V31 VERTICAL MOUNT, V-BRACKET, SNAP-IN



PC MOUNTING

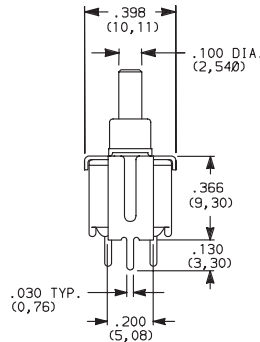
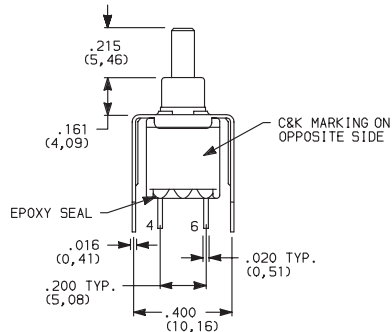


EP11 Models:
omit hole 2.

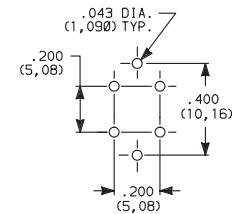


EP12SD1V3BE
SPDT

V3 VERTICAL MOUNT, V-BRACKET



PC MOUNTING



EP21SD1V3BE
DPST

CONTACT MATERIAL



OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
B (STD.)	GOLD ¹	GOLD ¹	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
K		TIN-LEAD ⁶		
Q	SILVER ^{4,5}	SILVER ⁵	POWER	1 AMP @ 120 V AC OR 28 V DC.
M		TIN-LEAD 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.
L		TIN-LEAD ⁶		

CONTACT MATERIAL/APPLICATION RECOMMENDATIONS—SEE SECTION N.

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.

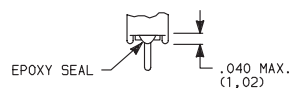
⁶ TERMINALS: Copper alloy, with tin-lead alloy over nickel plate.

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

SEAL



E (STD.) EPOXY SEAL



Third Angle
Projection



A

Pushbutton

C&K EP Series Sealed Tiny Pushbutton Switches

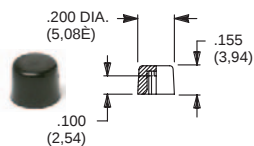


A

Pushbutton

AVAILABLE HARDWARE

Cap

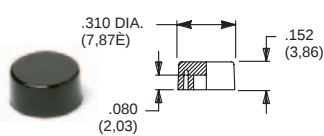


PART NO.

508101000 WHITE
508102000 BLACK
508103000 RED

Material: Nylon
Finish: Gloss
Not for use on S1 plunger

Cap



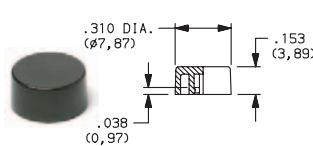
PART NO.

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



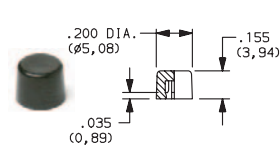
PART NO.

585A01000 WHITE
585A02000 BLACK
585A03000 RED

Material: Nylon
Finish: Gloss

Cap

Compatible with snap-fitting plungers
EP11 & EP12 Models



PART NO.

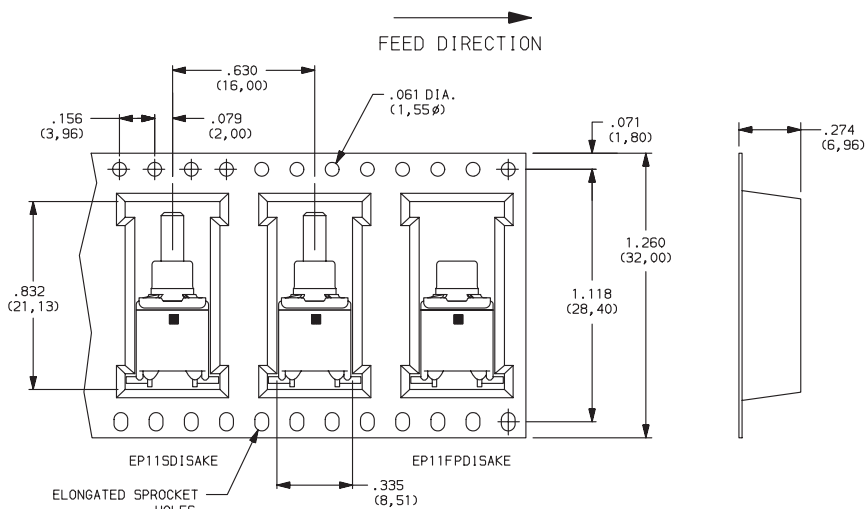
785A01000 WHITE
785A02000 BLACK
785A03000 RED

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