

C&K E Series

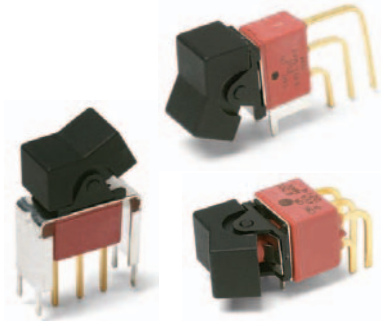
Sealed Miniature Rocker and Lever Handle Switches

Features/Benefits

- Sealed against solder and cleaning process contaminants
- ESD Resistance—all actuator options
- Rocker, case & bushing UL 94V-0

Typical Applications

- Telecommunications
- Instrumentation
- Computers & peripherals



Specifications

CONTACT RATING: B contact material: 0.4 VA max. @ 20 V AC or DC max. Q contact material (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. See page G-36 for additional ratings.

ELECTRICAL LIFE: E1XX and E2XX models: 40,000 make-and-break cycles at full load. E3XX models: 30,000 cycles.

CONTACT RESISTANCE: Below 10 m Ω typ. initial @ 2-4 V DC, 100 mA, for both silver and gold plated contacts.

INSULATION RESISTANCE: 10⁹ Ω min.

ELECTROSTATIC DISCHARGE (ESD) OPTION: All actuator options: 15,000 V DC max. @ sea level, actuator to terminals.

DIELECTRIC STRENGTH: 1000 Vrms min. @ sea level.

OPERATING TEMPERATURE: -30°C to 85°C.

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

Materials

CASE & BUSHING: Glass filled nylon 6/6, flame retardant, heat stabilized (UL 94V-0).

ACTUATOR: Nylon, black standard, internal o-ring seal standard with all actuators.

FRAME: Spring steel, black standard.

SWITCH SUPPORT: Brass or steel, tin plated.

ACTUATOR PIVOT & MOUNTING BRACKET: Nylon.

ACTUATOR PIVOT RETAINER: Stainless steel.

CONTACTS & TERMINALS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Copper alloy, silver plated. See page G-36 for additional contact materials.

TERMINAL SEAL: Epoxy.

HARDWARE: Nut, Screw & Lockwasher: Stainless steel. Standoff: Nylon standard, aluminum available, consult Customer Service Center.

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 G-26 thru G-36. For additional options not shown in catalog, consult Customer Service Center. All models are process sealed to withstand machine soldering temperatures and pressure wash cleaning methods.

Switch Function E101 (STD.) SP On-None-On E103 SP On-Off-On E105 SP Mom.-Off-Mom. E107 SP On-Off-Mom. E108 SP On-None-Mom. E201 (STD.) DP On-None-On E203 DP On-Off-On E205 DP Mom.-Off-Mom. E207 DP On-Off-Mom. E208 DP On-None-Mom. E211 DP On-Off-On E213 DP On-On-Mom. E215 DP Mom.-On-Mom. E301 (STD.) 3P On-None-On	Actuator J1 (STD.) .531 long rocker J2 Lever J3 .906" long rocker J8 Rocker J11 Rocker with frame J21 Lever with frame J50 .362" long rocker J60 Lever J90 Lever	Terminations A (STD.) Right angle, PC thru-hole AV2 (STD.) Vertical right angle, PC thru-hole C (STD.) PC Thru-hole Z (STD.) Solder lug A3 Right angle, snap-in, PC thru-hole AV3 Vertical right angle, snap-in, PC thru-hole AW3 Right angle, extended, PC thru-hole V2 .555" high, V-bracket V3 .460" high, V-bracket V4 .630" high, V-bracket V5 Vertical right angle, PC thru-hole V6 .460" high, V-bracket V7 .630" high, V-bracket V8 .953" high, V-bracket V9 1.150" high, V-bracket V21 .555" high, V-bracket, snap-in V31 .460" high, V-bracket, snap-in V41 .630" high, V-bracket, snap-in V61 .460" high, V-bracket, snap-in W .750" long, wire wrap	Contact Material B (STD.) Gold Q (STD.) Silver K Gold, tin-lead M Silver, tin-lead G Gold over silver L Gold over silver, tin lead Seal E (STD.) Epoxy Actuator Color 2 (STD.) Black 1 White 3 Red Frame Color 2 (STD.) Black NONE No frame color required 1 White Metal Frame Color (J11, J21 Actuators) 2 (STD.) Black 1 White W1 .964" long, wire wrap W3 .425" long, wire wrap W4 1.062" long, wire wrap W5 1.305" long, wire wrap Z3 Quick connect

Rocker



G

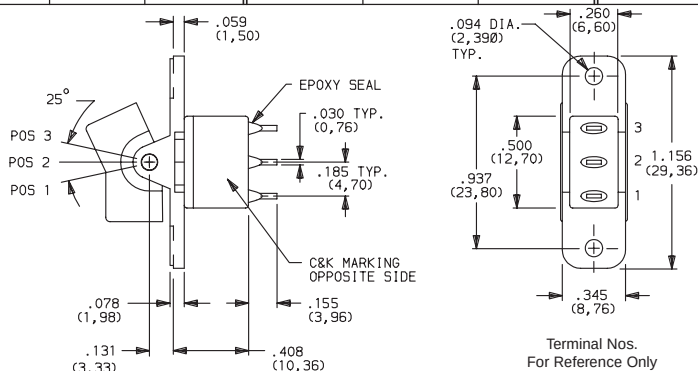
C&K E Series

Sealed Miniature Rocker and Lever Handle Switches

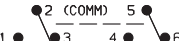
SWITCH FUNCTION 

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			
SP	E101 (STD.)	ON	NONE	ON	2-3	N/A	2-1	
	E103	ON	OFF	ON		OPEN		
	E105	MOM.	OFF	MOM.				
	E107	ON	OFF	MOM.				
	E108	ON	NONE	MOM.		N/A		

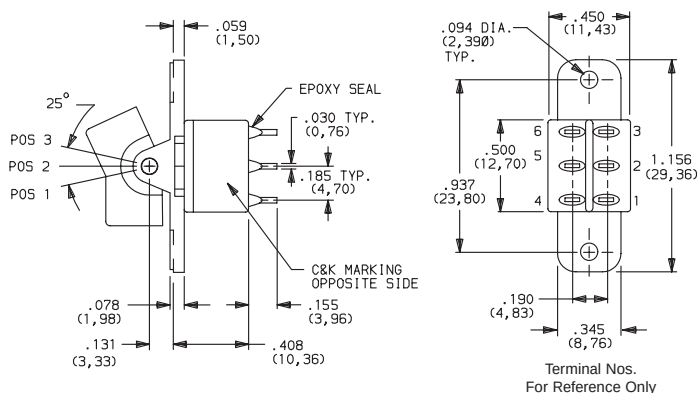
SPDT



Part number shown: E101J1ZBE2

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

DPDT



Part number shown: E201J1ZBE2

MOM. = Momentary

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

** Wiring for 3-way switch, see Section N.

C&K E Series

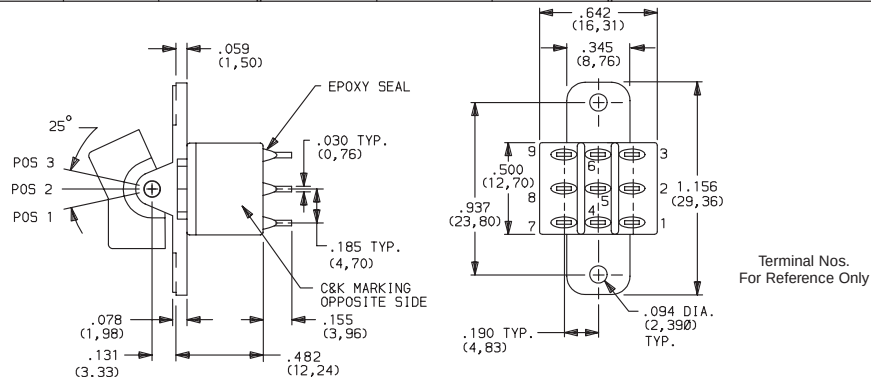
Sealed Miniature Rocker and Lever Handle Switches

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 (STD.)	ON	NONE	ON	2-3,5-6,8-9	N/A	2-1,5-4,8-7	3PDT

3PDT



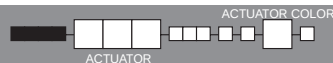
Part number shown: E301J1ZBE2

MOM. = Momentary

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

** Wiring for 3-way switch, see Section N.

ACTUATOR-PANEL REAR MOUNT

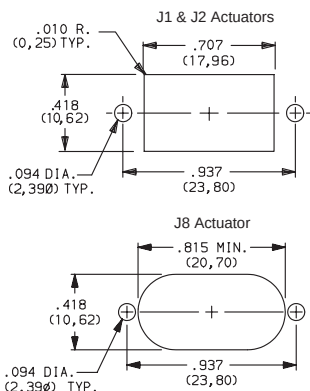


OPTION CODE	ACTUATOR COLOR
2	(STD.) BLACK
1	WHITE
3	RED

Finish: Matte. Other colors, custom actuator markings and legends available, consult Customer Service Center.

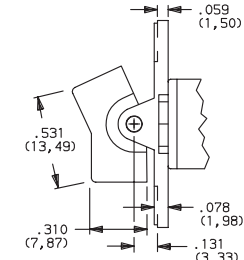
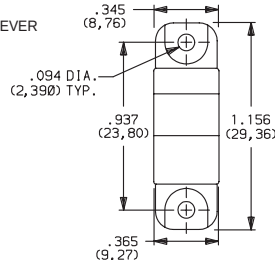
NOTE: Hardware: two each—mounting screws, nuts, lockwashers and standoffs for 1/8 inch thick panel are supplied standard on switches with panel mounting bracket. Internal o-ring actuator seal standard. Actuators available separately, see page G-37. Hardware available separately, see section N. J1, J2 actuators available with C, Z or Z3 terminations.

PANEL MOUNTING



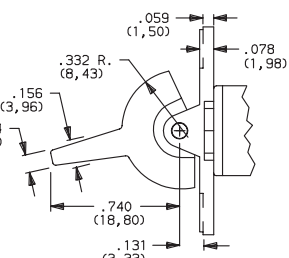
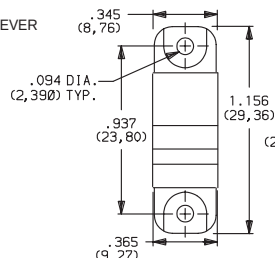
J1

LEVER



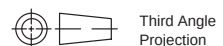
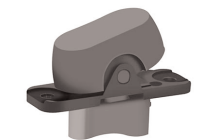
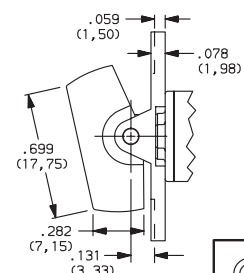
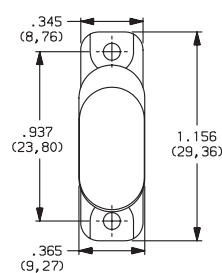
J2

LEVER



J8

ROCKER

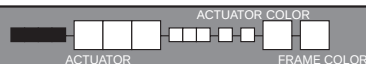


Dimensions are shown: IN (mm)
Dimensions subject to change

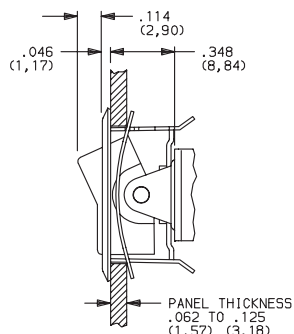
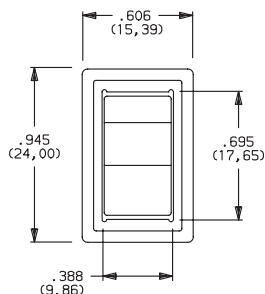
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C&K E Series Sealed Miniature Rocker and Lever Handle Switches

ACTUATOR-REAR MOUNT



J11 ROCKER WITH FRAME

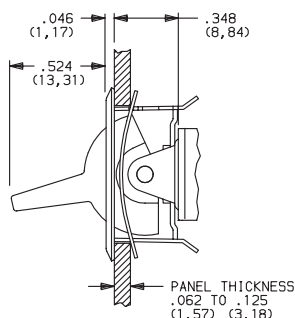
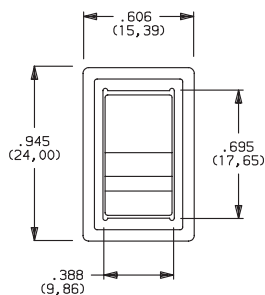


OPTION CODE	ACTUATOR COLOR
2	(STD.) BLACK
1	WHITE
3	RED

OPTION CODE	FRAME COLOR
2	(STD.) BLACK
1	WHITE

NOTE: This option has reduced anti-static capability.

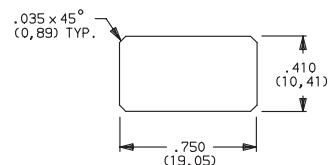
J21 LEVER WITH FRAME



Actuator finish: Matte, frame finish: gloss. Other colors, custom actuator markings and legends available, consult Customer Service Center.

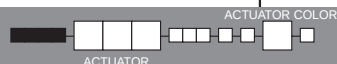
NOTE: Internal o-ring actuator seal standard. Actuators & frames available separately, see page G-37. Hardware available separately, see section N. J11 & J21 actuators available with C, Z & Z3 terminations.

PANEL MOUNTING

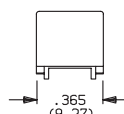
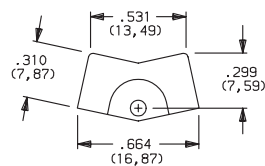


NOTE: This option has reduced anti-static capability.

ACTUATOR-PC MOUNT

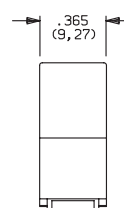
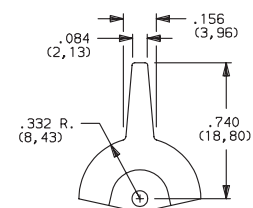


J1 ROCKER



OPTION CODE	ACTUATOR COLOR
2	(STD.) BLACK
1	WHITE
3	RED

J2 LEVER



Finish: Matte. Other colors, custom actuator markings and legends available, consult Customer Service Center.

NOTE: Hardware: two each—mounting screws, nuts, lockwashers and standoffs for 1/8 inch thick panel are supplied standard on switches with panel mounting bracket. Internal o-ring actuator seal standard. Actuators available separately, see page G-37. Hardware available separately, see section N. J1, J2 actuators available with A, A3, AV2, AV3, V2-V61 terminations.



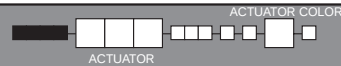
Dimensions are shown: IN (mm)
Dimensions subject to change



C&K E Series

Sealed Miniature Rocker and Lever Handle Switches

ACTUATOR-PC MOUNT



OPTION CODE	ACTUATOR COLOR
2	(STD.) BLACK
1	WHITE
3	RED

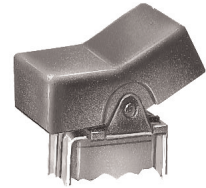
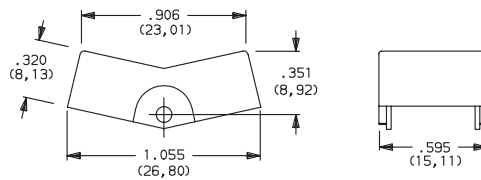
Finish: Matte. Other colors, custom actuator markings and legends available, consult Customer Service Center.

NOTE: Hardware: two each—mounting screws, nuts, lockwashers and standoffs for 1/8 inch thick panel are supplied standard on switches with panel mounting bracket. Internal o-ring actuator seal standard. Actuators available separately, see page G-37. Hardware available separately, see section N.

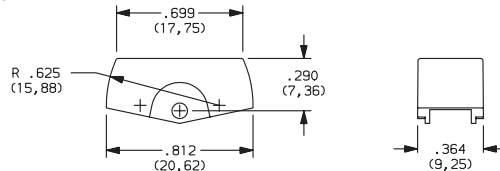
J3 actuators available with AV2, AV3 & V2-V61 terminations. Some permissible actuator/termination combinations may lack clearance between actuator and PC board, and care must be exercised to accommodate this condition.

J50, J60 & J90 actuators available with A, AV2, AV3 terminations.

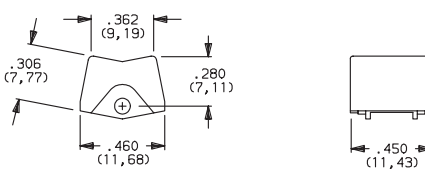
J3 ROCKER



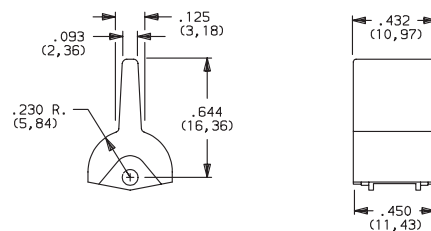
J8 ROCKER



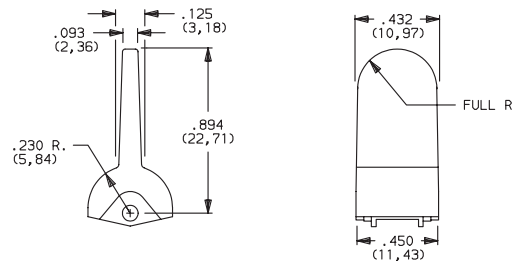
J50 ROCKER



J60 LEVER



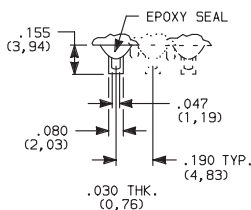
J90 LEVER



TERMINATIONS



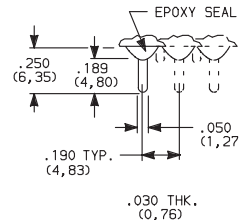
Z (STD.) SOLDER LUG



SPDT thru 3PDT

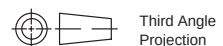
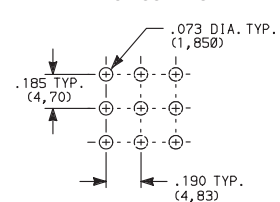
Not available with K, L or M contact materials.
Available actuators, see page G-27.

C (STD.) PC THRU-HOLE



SPDT thru 3PDT

PC MOUNTING



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

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Rocker



G

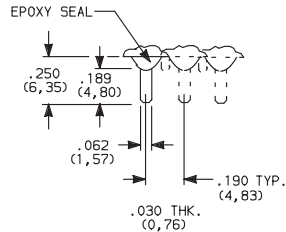


Cannon

C&K E Series Sealed Miniature Rocker and Lever Handle Switches

TERMINATIONS

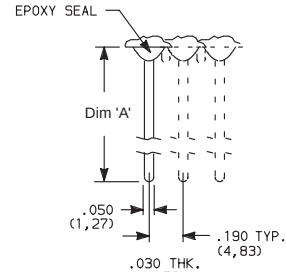
Z3 QUICK CONNECT



Not available with K, L or M contact materials. Available actuators, see pages G-28 thru G-29. Mating quick connector available; order part number 530100000, page G-37.

SPDT thru 3PDT

W, W4 WIRE WRAP



OPTION CODE	DIM 'A'
W	.750 (19,05)
W1	.964 (24,48)
W3	.425 (10,80)
W4	1.062 (26,97)
W5	1.305 (33,15)

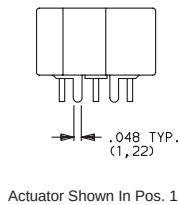
SPDT thru 3PDT

NOTE: Available actuators, see pages G-28 thru G-29.

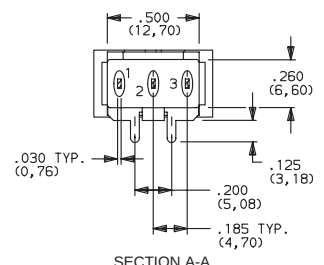
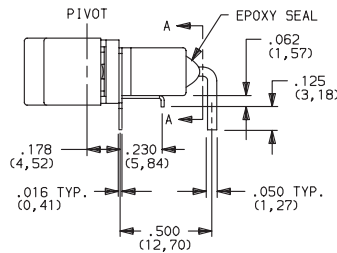
A (STD.) RIGHT ANGLE, PC THRU-HOLE



E101J1ABE2
Horizontal Actuation
SPDT

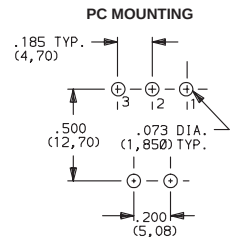
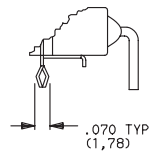
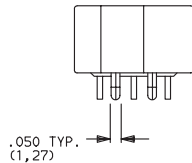


Actuator Shown In Pos. 1



SECTION A-A

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

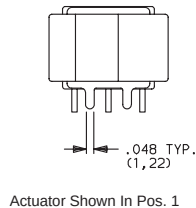


NOTE: PC mounting pattern must clear switch support leg.

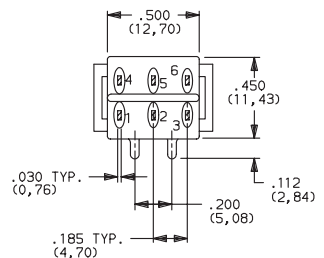
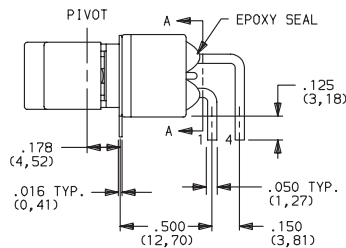
A (STD.) RIGHT ANGLE, PC THRU-HOLE



E201J1ABE2
Horizontal Actuation
DPDT

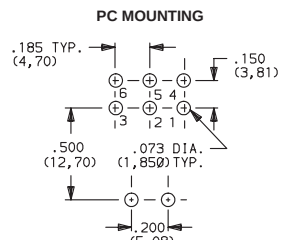
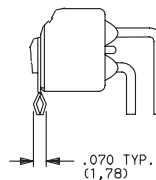
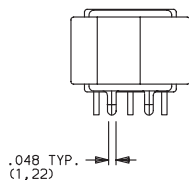


Actuator Shown In Pos. 1



SECTION A-A

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

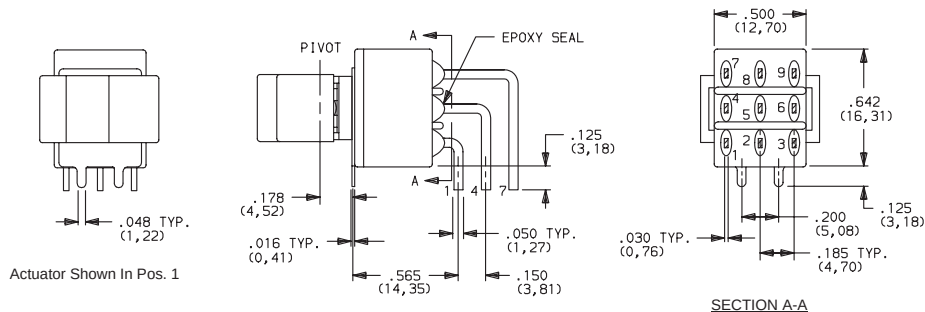


NOTE: Not available with J3 actuator.
Available actuators, see pages G-28 and G-29.
Terminal bend radii and lead-in manufacturing option.

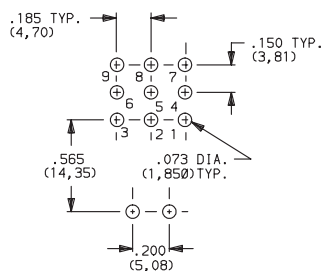
C&K E Series Sealed Miniature Rocker and Lever Handle Switches

TERMINATIONS

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

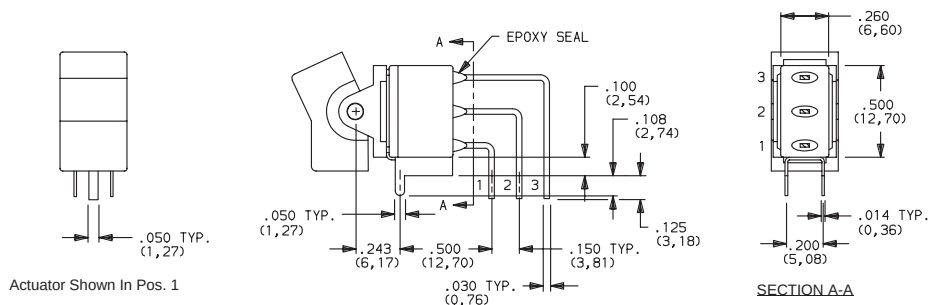


PC MOUNTING

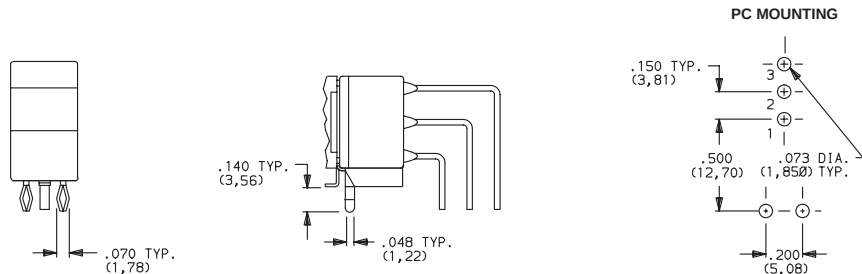


NOTE: Terminal bend radii and lead-in manufacturing option.
Available actuators, see pages G-28 and G-29.

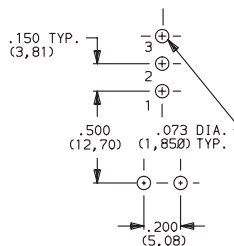
AV2 (STD.) VERTICAL RIGHT ANGLE, PC THRU-HOLE, .150" PITCH



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



PC MOUNTING



NOTE: Terminal bend radii and lead-in manufacturing option.
Available actuators, see pages G-28 and G-29.



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

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Rocker

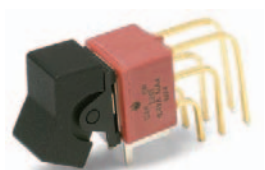


G

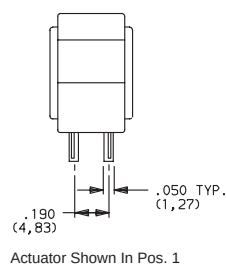
C&K E Series Sealed Miniature Rocker and Lever Handle Switches

TERMINATIONS

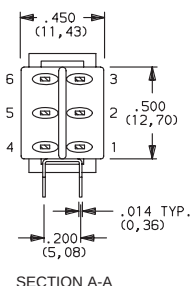
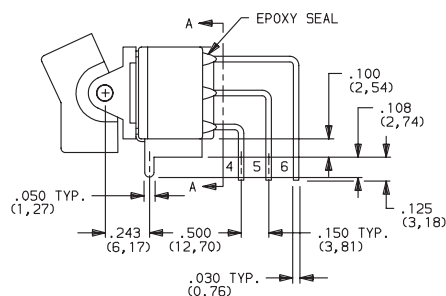
AV2 (STD.) VERTICAL RIGHT ANGLE, PC THRU-HOLE, .150" PITCH



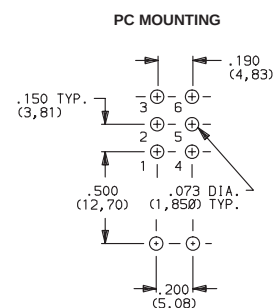
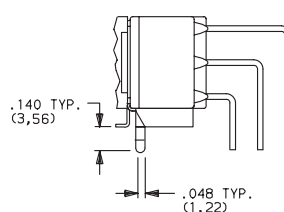
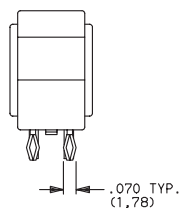
E201J1AV2BE2
Vertical Actuation
DPDT



Actuator Shown In Pos. 1



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

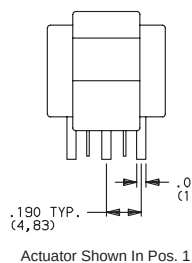


NOTE: Terminal bend radii and lead-in manufacturing option.
Available actuators, see pages G-28 and G-29.

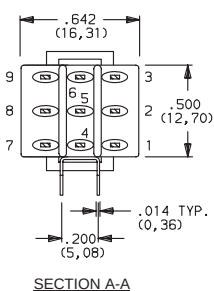
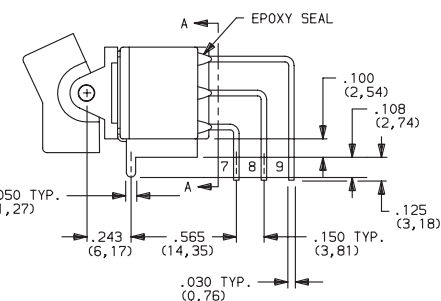
AV2 (STD.) VERTICAL RIGHT ANGLE, PC THRU-HOLE, .150" PITCH



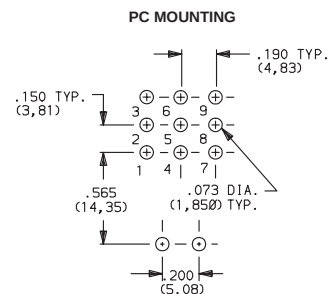
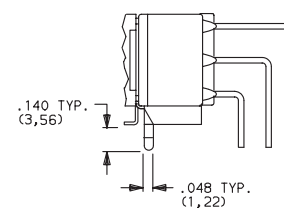
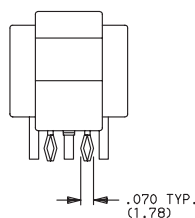
E301J1AV2BE2
Vertical Actuation
3PDT



Actuator Shown In Pos. 1



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

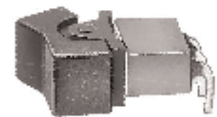
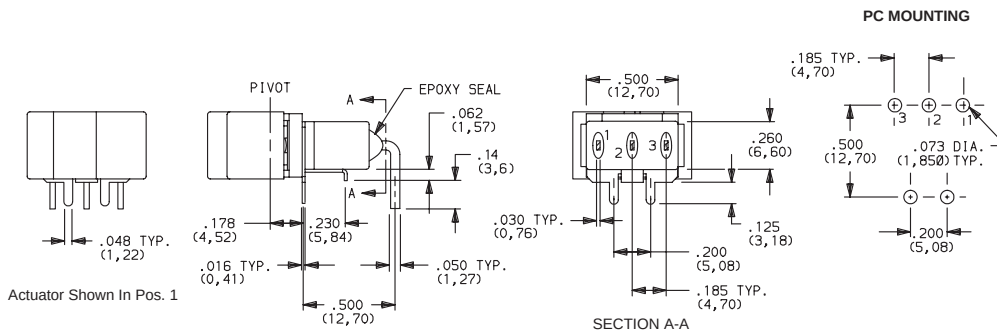


NOTE: Terminal bend radii and lead-in manufacturing option.
Available actuators, see pages G-28 and G-29.

C&K E Series Sealed Miniature Rocker and Lever Handle Switches

TERMINATIONS

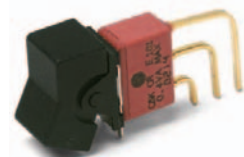
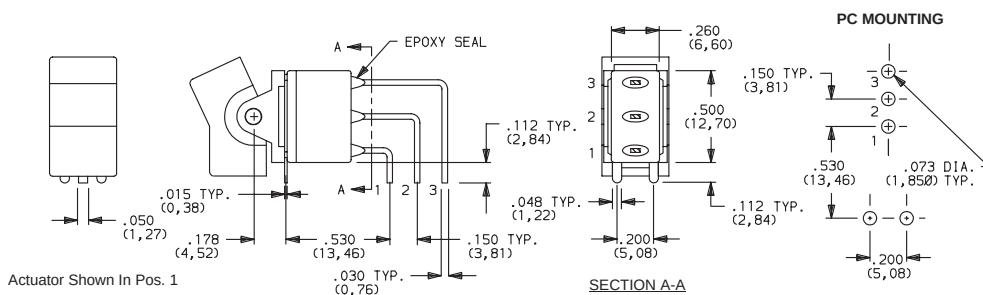
AW3 VERTICAL RIGHT ANGLE, EXTENDED, PC THRU-HOLE



E101J1AW3BE2
Horizontal Actuation
SPDT

NOTE: PC mounting pattern must clear switch support leg.

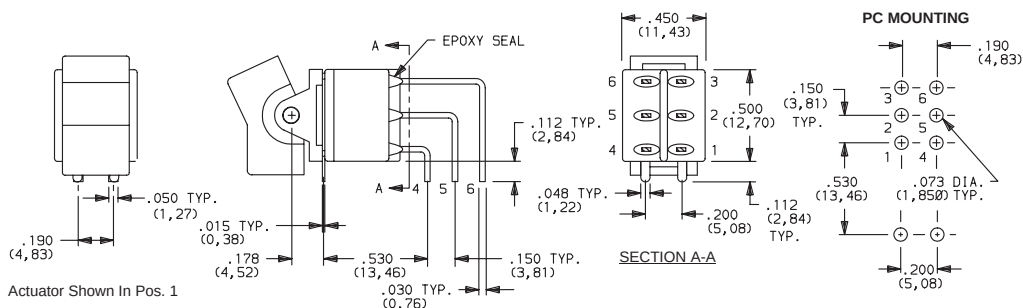
V5 VERTICAL RIGHT ANGLE, PC THRU-HOLE,
.150" PITCH



E101J1V5BE2
Vertical Actuation
SPDT

NOTE: Terminal bend radii and lead-in manufacturing option.
Available actuators, see pages G-28 and G-29.

V5 VERTICAL RIGHT ANGLE, PC THRU-HOLE,
.150" PITCH



E201J1V5BE2
Vertical Actuation
DPDT

NOTE: Terminal bend radii and lead-in manufacturing option.
Available actuators, see pages G-28 and G-29.

Third Angle
Projection

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

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Rocker



G

C&K E Series Sealed Miniature Rocker and Lever Handle Switches

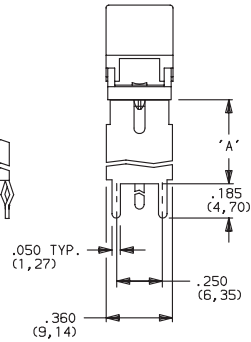
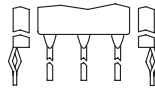
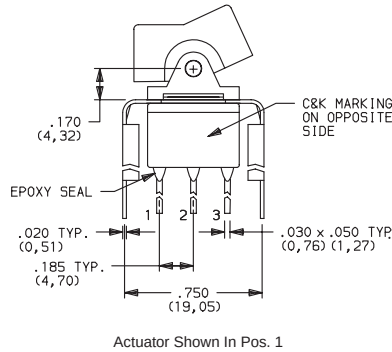
TERMINATIONS

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

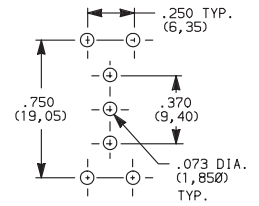
V21, V61 VERTICAL MOUNT, V-BRACKET, SNAP-IN



E101J1_BE2
SPDT



PC MOUNTING



OPTION CODE	DIM 'A'
V2, V21	.555 (14, 10)
V6, V61	.460 (11, 68)
V7	.630 (16, 00)
V8	.953 (24, 21)

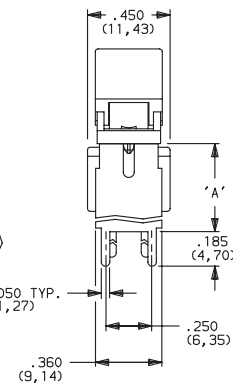
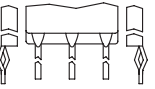
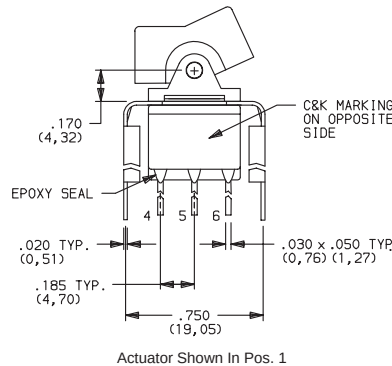
NOTE: Available actuators, see pages G-28 and G-29.

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

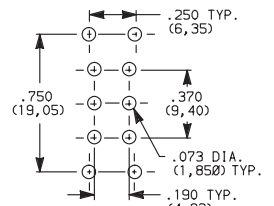
V21, V61 VERTICAL MOUNT, V-BRACKET, SNAP-IN



E201J1_BE2
DPDT



PC MOUNTING



OPTION CODE	DIM 'A'
V2, V21	.555 (14, 10)
V6, V61	.460 (11, 68)
V7	.630 (16, 00)
V8	.953 (24, 21)

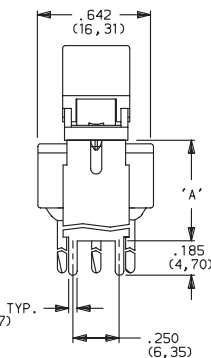
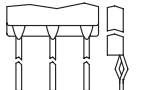
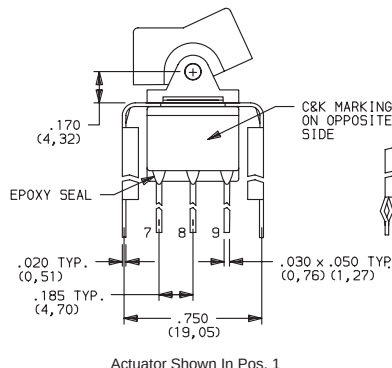
NOTE: Available actuators, see pages G-28 and G-29.

V2, V7, V8 VERTICAL MOUNT, V-BRACKET

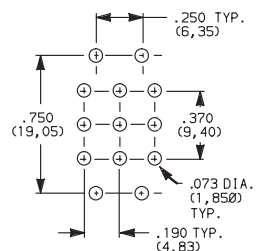
V21 VERTICAL MOUNT, V-BRACKET, SNAP-IN



E301J1_BE2
3PDT



PC MOUNTING



OPTION CODE	DIM 'A'
V2, V21	.555 (14, 10)
V7	.630 (16, 00)
V8	.953 (24, 21)

NOTE: Available actuators, see pages G-28 and G-29.

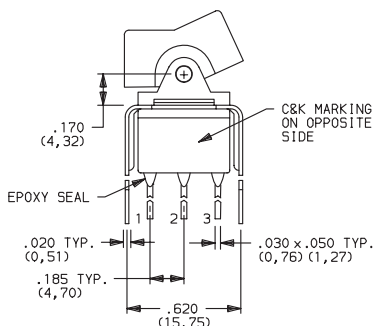
C&K E Series

Sealed Miniature Rocker and Lever Handle Switches

TERMINATIONS

V3, V4, V9 VERTICAL MOUNT, V-BRACKET

V31, V41 VERTICAL MOUNT, V-BRACKET, SNAP-IN

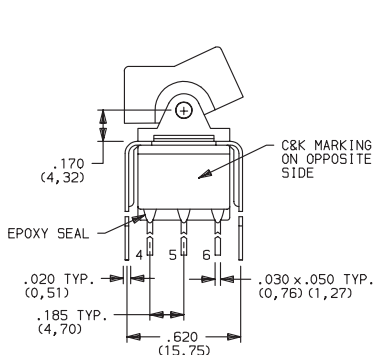


Actuator Shown In Pos. 1

NOTE: Available actuators, see pages G-28 and G-29.

V3, V4, V9 VERTICAL MOUNT, V-BRACKET

V31, V41 VERTICAL MOUNT, V-BRACKET, SNAP-IN

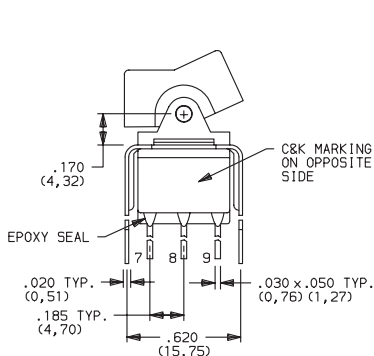


Actuator Shown In Pos. 1

NOTE: Available actuators, see pages G-28 and G-29.

V4, V9 VERTICAL MOUNT, V-BRACKET

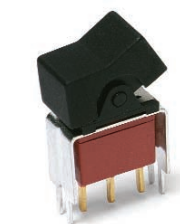
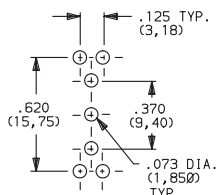
V41 VERTICAL MOUNT, V-BRACKET, SNAP-IN



Actuator Shown In Pos. 1

NOTE: Available actuators, see pages G-28 and G-29.

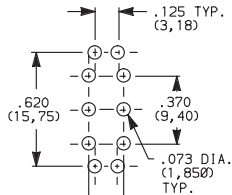
PC MOUNTING



E101J1_BE2
SPDT

OPTION CODE	DIM 'A'
V3, V31	.460 (11,68)
V4, V41	.630 (16,00)
V9	1.150 (29,21)

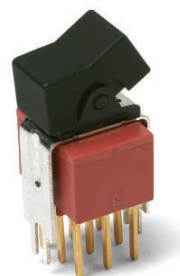
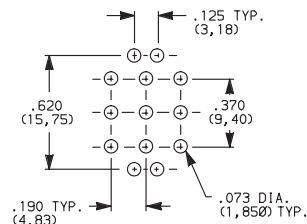
PC MOUNTING



E201J1_BE2
DPDT

OPTION CODE	DIM 'A'
V3, V31	.460 (11,68)
V4, V41	.630 (16,00)
V9	1.150 (29,21)

PC MOUNTING



E301J1_BE2
3PDT

OPTION CODE	DIM 'A'
V4, V41	.630 (16,00)
V9	1.150 (29,21)



Third Angle
Projection

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

www.ittcannon.com

Rocker



G

C&K E Series

Sealed Miniature Rocker and Lever Handle Switches

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 (STD.)	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.
M		TIN-LEAD 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.
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.

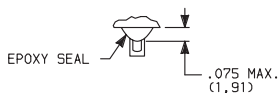
⁶ TERMINALS: Copper alloy, with tin-lead alloy over nickel plate.

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

K, L & M contact materials not available with Z & Z3 terminations.

SEAL

E (STD.) EPOXY SEAL



AVAILABLE HARDWARE

J2, J21 Actuators



PART NO.

760501000 WHITE
760502263 BLACK
760503000 RED

Material: Nylon
Finish: Matte

J3 Actuator



PART NO.

766601000 WHITE
766602263 BLACK
766603000 RED

Material: Nylon
Finish: Matte

J1, J11 Actuators



PART NO.

760201000 WHITE
760202263 BLACK
760203000 RED

Material: Nylon
Finish: Matte

J50 Actuator



PART NO.

628301000 WHITE
628302263 BLACK
628303000 RED

Material: Nylon
Finish: Matte

J60 Actuator



PART NO.

598101000 WHITE
613802263 BLACK
598103000 RED

Material: Nylon
Finish: Matte

J90 Actuator



PART NO.

598001000 WHITE
598002263 BLACK
598003000 RED

Material: Nylon
Finish: Matte

NOTE: Additional nuts, screws and lockwashers available separately, see Section N.
Other colors available, consult Customer Service Center.



C&K E Series Sealed Miniature Rocker and Lever Handle Switches

AVAILABLE HARDWARE

Fits Z3 Termination
female connector



PART NO.
530100000

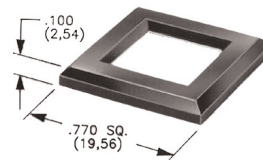
Available in loose pieces.

Frame for J11, J21 Actuators



PART NO.
764500746 BLACK ENAMEL
764500747 WHITE ENAMEL
764601106 RETAINING SPRING
Material: Spring Steel

J50, J60 & J90 Actuators



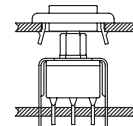
MATTE
PART NO.
486701000
486702000
486703000
Material: Nylon
Finish: Matte or Gloss

GLOSS
PART NO.
486801000 WHITE
486802000 BLACK
486803000 RED

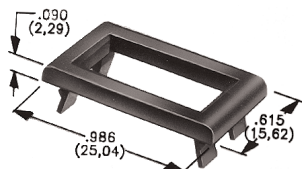
NOTE: Additional nuts, screws and lockwashers available separately, see Section N.
Other colors available, consult Customer Service Center.

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.

TYPICAL APPLICATION

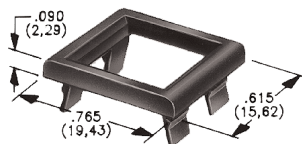


J1 & J2 Actuators



.047" (1,19) PANEL THK.	.062" (1,57) PANEL THK.	.090" (2,29) PANEL THK.	.125" (3,18) PANEL THK.
PART NO. 452901000 452902263 452903000	PART NO. 452701000 452702263 452703000	PART NO. 452801000 452802263 452803000	PART NO. 452601000 WHITE 452602263 BLACK 452603000 RED

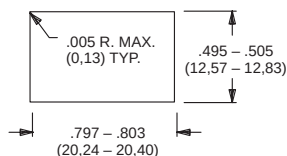
J50, J60 & J90 Actuators



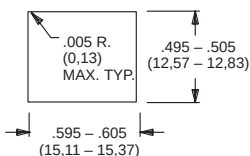
.047" (1,19) PANEL THK.	.062" (1,57) PANEL THK.	.090" (2,29) PANEL THK.	.125" (3,18) PANEL THK.
PART NO. 432501000 432502263 432503000	PART NO. 432601000 432602263 432603000	PART NO. 432701000 432702263 432703000	PART NO. 432801000 WHITE 432802263 BLACK 432803000 RED

PANEL MOUNTING

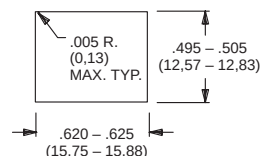
For part numbers
4529xxxxx, 4527xxxxx,
4528xxxxx, 4526xxxxx



For part numbers
4325xxxxx, 4326xxxxx



For part numbers
4327xxxxx, 4328xxxxx



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



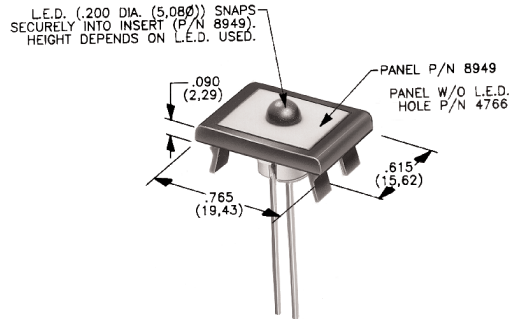
C&K E Series Sealed Miniature Rocker and Lever Handle Switches

AVAILABLE HARDWARE

Panel Inserts

Will fit separate snap-in frames for J50, J60, J90 actuators.

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.

894901000
894902000
894903000

PART NO.

476601000 WHITE
476602000 BLACK
476603000 RED

Special colors, custom markings available, consult Customer Service Center.