

Rockers

Product Selection Guide

Rocker							
Series	7000	E	ET	T	9000	DA	D
Switch Type	Miniature	Miniature	Subminiature	Subminiature	Power Rocker & Lever Handle	Miniature Power	Miniature Power
Poles/Throws	SPDT, DPDT, 3PDT, 4PDT	SPDT, DPDT, 3PDT	SPST, SPDT, DPDT	SPST, SPDT, DPDT	DPDT	SPST, SPDT	SPST, SPDT, DPST, DPDT
Max. Current	5 Amps	7.5 Amps	3 Amps	3 Amps	10 Amps	16 Amps 10 Amps	4 Amps 10 Amps
Washable		•	•				
Illuminated						•	
Panel Mount Options							
Front Mount	•	•		•	•	Snap-in	Snap-in
Rear Mount	•	•		•	•		
PCB Mount Options							
Vertical	•	•	•	•	•	•	•
Right Angle	•	•	•	•	•	•	•
Surface Mount			•				
Page No.	G-3	G-25	G-39	G-45	G-51	G-56	G-60

Rocker					
Series	DM	DM	DF	CR	SW
Switch Type	Miniature 2 Pole Power	Miniature Illuminated Power	Power	Round	Miniature Power
Poles/Throws	DPST, DPDT	SPST, DPST	SPST, SPDT, DPST	SPST, SPDT	SPST, SPDT, DPST
Max. Current	3 Amps, 10 Amps	3 Amps, 10 Amps	16 Amps	10 Amps, 6 Amps	3 A, 6 A, 6.5 A, 10 A, 16 A
Washable					
Illuminated		•		•	•
Panel Mount Options					
Front Mount	Snap-in	Snap-in	Snap-in	Snap-in	Snap-in
Rear Mount			•		
PCB Mount Options					
Vertical					
Right Angle			•		
Surface Mount					
Page No.	G-65	G-69	G-73	G-77	G-81

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

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7000 Series Miniature Rocker & Lever Handle Switches

Features/Benefits

- Multi-pole and multi-position
- Wide variety of actuator and termination options
- Epoxy terminal-seal compatible with bottom wash cleaning
- RoHS compliant

Typical Applications

- Telecommunications
- Instrumentation
- Medical equipment



Specifications

CONTACT RATING: B contact material: 0.4 VA max. @ 20 V AC or DC max. Q contact material: 5 AMPS @ 120 V AC or 28 V DC; 2 AMPS @ 250 V AC. See page G-20 for additional ratings.

ELECTRICAL LIFE: 7X01 and UX1 models: 100,000 make-and-break cycles at full load. All other models: 40,000 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.

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).

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

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Materials

CASE: Glass filled nylon 6/6, flame retardant, heat stabilized, or diallyl phthalate (DAP) (UL 94V-0).

ACTUATOR: Nylon, black.

FRAME (FRONT MOUNT): Nylon, black.

FRAME (REAR MOUNT): Spring steel, black.

BUSHING: Brass or zinc, nickel plated.

HOUSING: Stainless steel.

SWITCH SUPPORT: Brass or steel, matte-tin plated.

END CONTACTS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Coin silver, silver plated. See page G-20 for additional contact materials.

CENTER CONTACTS & ALL TERMINALS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Copper alloy, silver plated. See page G-20 for additional contact materials.

TERMINAL SEAL: Epoxy. Refer to Soldering and Cleaning in Technical Data Section

HARDWARE: Mounting nuts & screws: Brass. Lockwasher: Stainless steel. Standoff: Nylon standard.

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-4 through G-24. For additional options not shown in catalog, consult Customer Service Center. All models have epoxy terminal seal and are compatible with all "bottom-wash" PCB cleaning methods.

Switch Function			
7101	SP On-None-On		
7103	SP On-Off-On		
7105	SP Mom.-Off-Mom.		
7107	SP On-Off-Mom.		
7108	SP On-None-Mom.		
7109	SP None-On-Mom.		
7201	DP On-None-On		
7203	DP On-Off-On		
7205	DP Mom.-Off-Mom.		
7207	DP On-Off-Mom.		
7208	DP On-None-Mom.		
7211	DP On-On-On		
7213	DP On-On-Mom.		
7215	DP Mom.-On-Mom.		
7301	3P On-None-On		
7303	3P On-Off-On		
7401	4P On-None-On		
7405	4P Mom.-Off-Mom.		
7411	4P On-On-On		

Actuator	
J1	.531" long rocker
J2	Lever
J3	.906" long rocker
J8	.699" long rocker
J10	1.318" long rocker
J11	Rocker with frame
J15	Rocker, snap-in
J16	Rocker with frame, snap-in
J19	Rocker with frame
J21	Lever with frame
J25	Lever, snap-in
J26	Lever with frame, snap-in
J37	Rocker with frame
J50	Rocker
J51	Rocker with frame
J52	Rocker with frame for LED, snap-in
J60	Lever
J61	Lever with frame, snap-in
J62	Lever with frame for LED, snap-in
J90	Lever
J91	Lever with frame, snap-in

Terminations	
A	Right angle, PC thru-hole
AV2	Vertical right angle, PC thru-hole
C	PC Thru-hole
Z	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
V31	.460" high, V-bracket, snap-in
V51	Vertical right angle, snap-in
V61	.460" high, V-bracket, snap-in
W	.750" long, wire wrap
W3	.425" long, wire wrap
W5	1.305" long, wire wrap
Z3	Quick connect

Contact Material	
B	Gold
P	Gold, matte tin
Q	Silver
S	Silver, matte-tin
G	Gold over silver
R	Gold over silver, matte-tin

Seal	
E	Epoxy
I	Epoxy potted base

Actuator Color	
2	Black
1	White
3	Red

Frame Color	
2	Black
NONE	No frame color required
1	White

Metal Frame Color (J11, J19, J21 & J37 Actuators)	
2	Black
1	White

Note: UL models available, see pages G-5 and G-6.



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

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7000 Series Miniature Rocker & Lever Handle Switches

SWITCH FUNCTION



NO. POLES	MODEL NO.	UL** 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	7101	U11	ON	NONE	ON	2-3	N/A	2-1	
	7103	U13	ON	OFF	ON		OPEN		
	7105	U15	MOM.	OFF	MOM.				
	7107	U17	ON	OFF	MOM.				
	7108	U18	ON	NONE	MOM.	N/A	2-3	2-1	
	7109	U19	NONE	ON	MOM.				

SPDT

Part number shown: 7101J1ZQE2

DP	7201	U21	ON	NONE	ON	2-3,5-6	N/A	2-1,5-4		
	7203	U23	ON	OFF	ON		OPEN			
	7205	U25	MOM.	OFF	MOM.					
	7207	U27	ON	OFF	MOM.					
	7208	U28	ON	NONE	MOM.	2-3,5-4	N/A			
	7211*	U211*	ON	ON	ON					
	7213*	U213*	ON	ON	MOM.					
	7215*	U215*	MOM.	ON	MOM.					

DPDT

Part number shown: 7201J1ZQE2

MOM. = Momentary

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

** U11 through U413 model nos. C&K US with all options when ordered with G, Q, R or S contact material.

Rocker



G

C&K



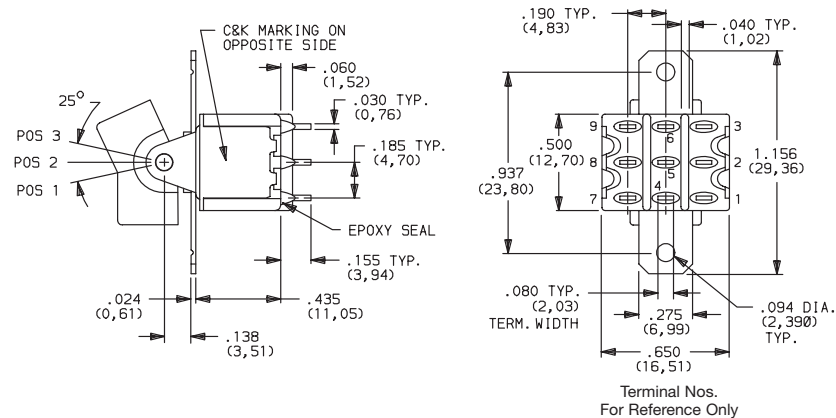
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

7000 Series Miniature Rocker & Lever Handle Switches

SWITCH FUNCTION

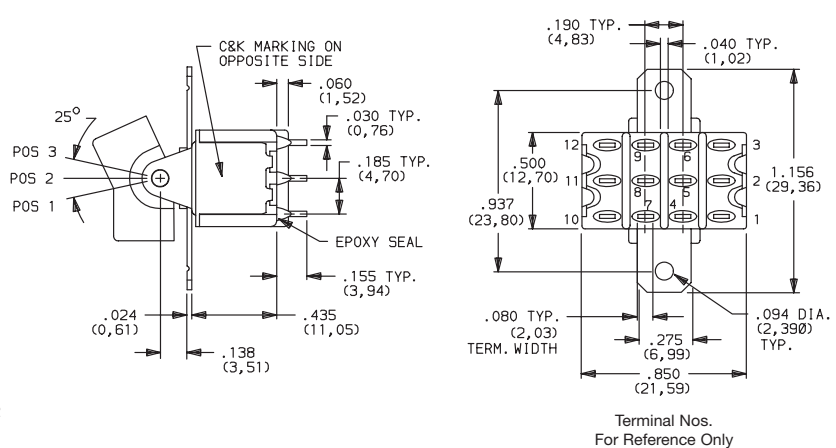
NO. POLES	MODEL NO.	UL** MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
			POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
									
			C&K marking on opposite side			C&K marking on opposite side			
3P	7301	U31	ON	NONE	ON	2-3,5-6,8-9	N/A	2-1,5-4,8-7	
	7303	U33	ON	OFF	ON		OPEN		

3PDT



4P	7401	U41	ON	NONE	ON	2-3,5-6,8-9,11-12	N/A	2-1,5-4,8-7,11-10	 4PDT
	7405	U45	MOM.	OFF	MOM.		OPEN		
	7411*	U411*	ON	ON	ON		2-3,5-4,8-9,11-10		

4PDT

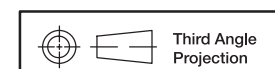


MOM. = Momentary

** U11 through U411 model nos. c us with all options when ordered with G, Q, R or S contact material.

* Wiring for 3-way switch: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

C&K



Third Angle Projection

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

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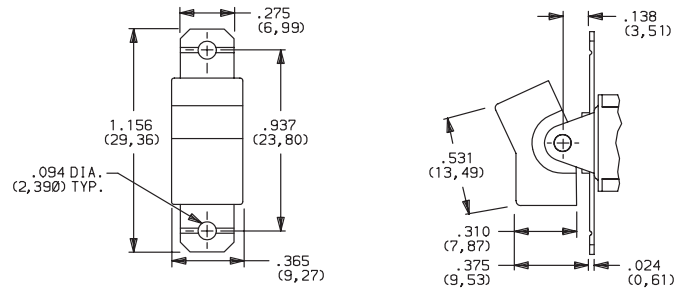


7000 Series Miniature Rocker & Lever Handle Switches

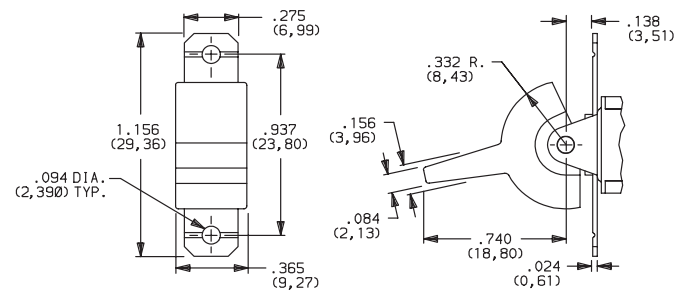
ACTUATOR-PANEL REAR MOUNT



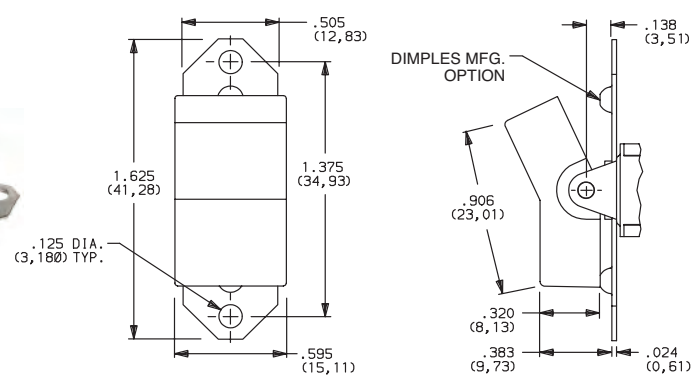
J1 ROCKER



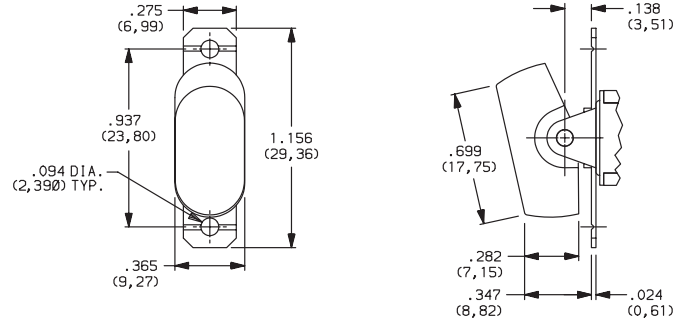
J2 LEVER



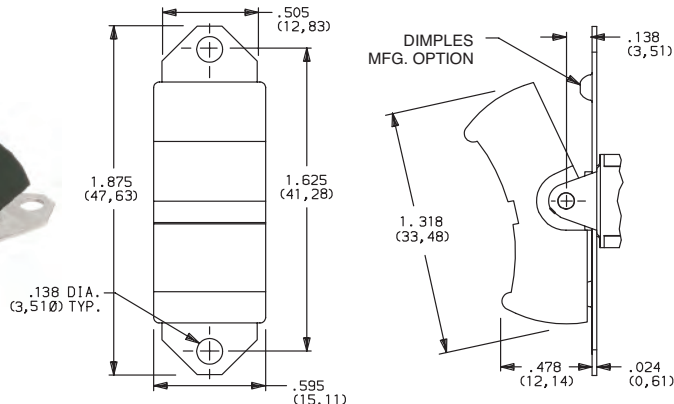
J3 ROCKER



J8 ROCKER



J10 ROCKER



OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

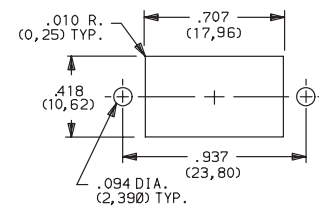
Finish: Matte. Other colors, custom actuator markings and legends available, consult Customer Service Center.

NOTE: Hardware: two each—mounting screws, nuts, lockwashers and standoffs for 1/8 inch thick panel are supplied standard on all switches with panel mounting brackets. Actuators available separately, see page G-21 through G-22. Hardware is available see Technical Data section of this catalog.

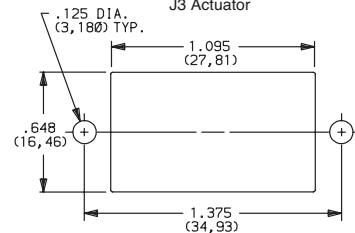
J1, J2, J3, J8 & J10 Actuators available with C, W-W5, Z or Z3 terminations.

PANEL MOUNTING

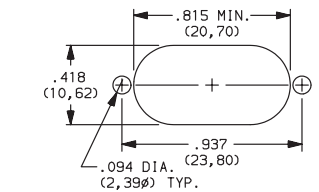
J1 & J2 Actuators



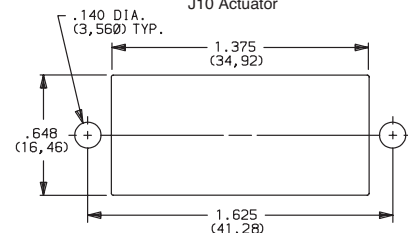
J3 Actuator



J8 Actuator



J10 Actuator



Third Angle Projection

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

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Rocker

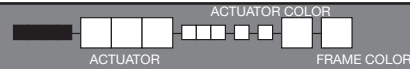


G

C&K

7000 Series Miniature Rocker & Lever Handle Switches

ACTUATOR-SNAP-IN FRONT MOUNT



OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

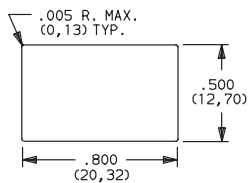
OPTION CODE	FRAME COLOR
2	BLACK
NONE	No Frame Color (J15 or J25 options)
1	WHITE

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

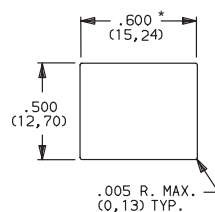
NOTE: Actuators & frames available separately, see pages G-21 through G-22. J15, J16, J25, J26, J50 & J51 Actuators available with 71XX, 72XX, U1XX & U2XX models and C, W-W5, Z and Z3 terminations.

PANEL MOUNTING

J15, J16, J25 & J26 Actuators

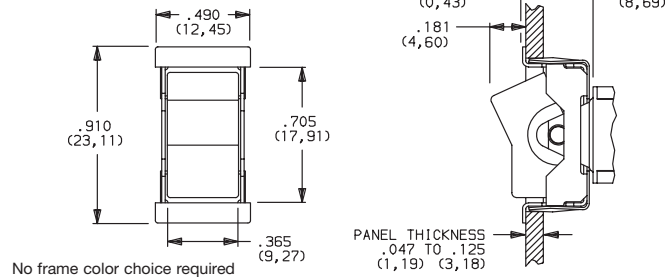


J50 Actuator



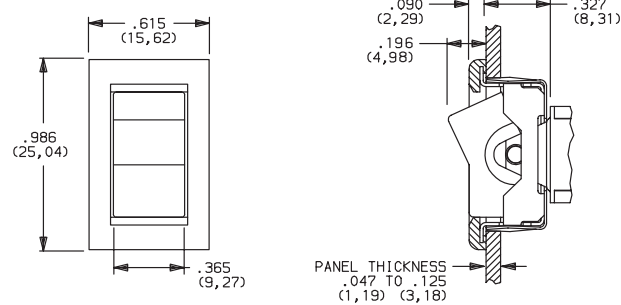
* For J50: Increase this dimension to .620/.625 (15,75/15,88) for .091/.125 (2,31/3,18) thk. panels.

J15 ROCKER, SNAP-IN

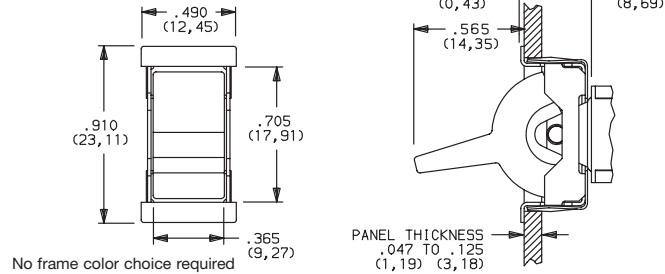


No frame color choice required

J16 ROCKER WITH FRAME, SNAP-IN

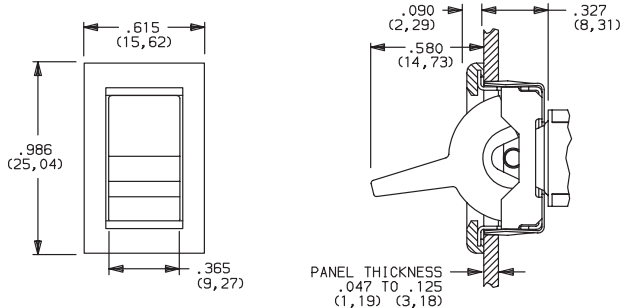


J25 LEVER, SNAP-IN

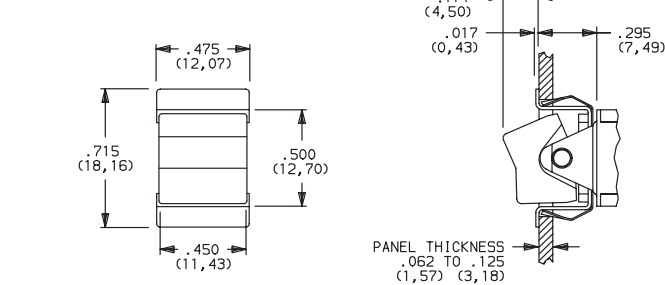


No frame color choice required

J26 LEVER WITH FRAME, SNAP-IN



J50 ROCKER, SNAP-IN



No frame color choice required



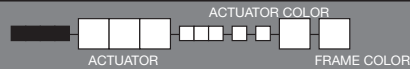
Third Angle Projection

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

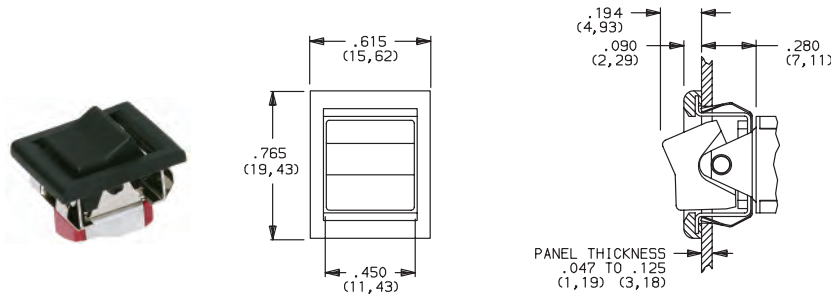
C&K

7000 Series Miniature Rocker & Lever Handle Switches

ACTUATOR-SNAP-IN FRONT MOUNT

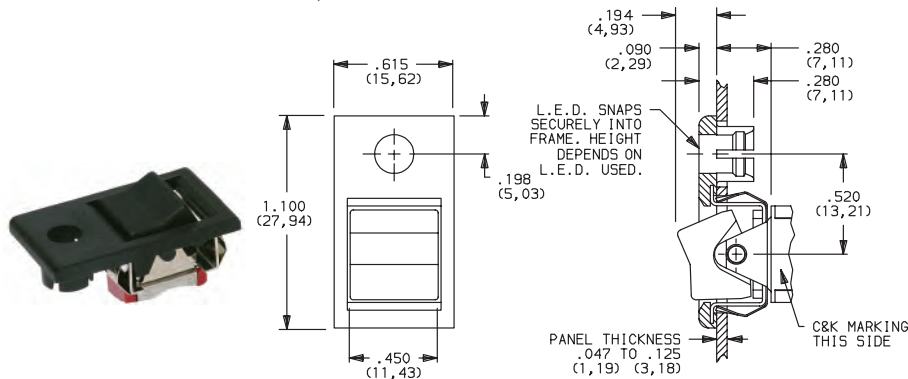


J51 ROCKER WITH FRAME, SNAP-IN



OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

J52 ROCKER WITH FRAME FOR LED, SNAP-IN



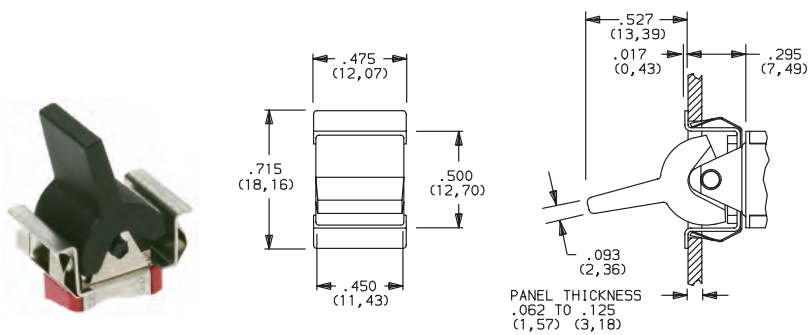
OPTION CODE	FRAME COLOR
2	BLACK
NONE	No Frame Color (J15 or J25 options)
1	WHITE

LED not included.
For LED information, see page G-24.

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

NOTE: Actuators & frames available separately, see pages G-21 through G-22. J51, J52, J60 & J61 Actuators available with 71XX, 72XX, U1XX & U2XX models and C, W-W5, Z and Z3 terminations.

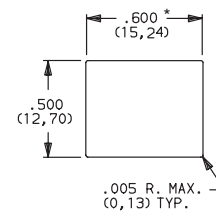
J60 LEVER, SNAP-IN



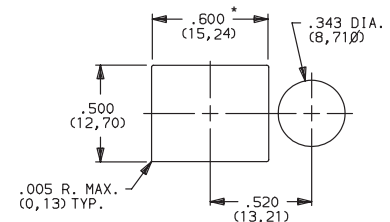
No frame color choice required

PANEL MOUNTING

J51, J60 & J61 Actuators

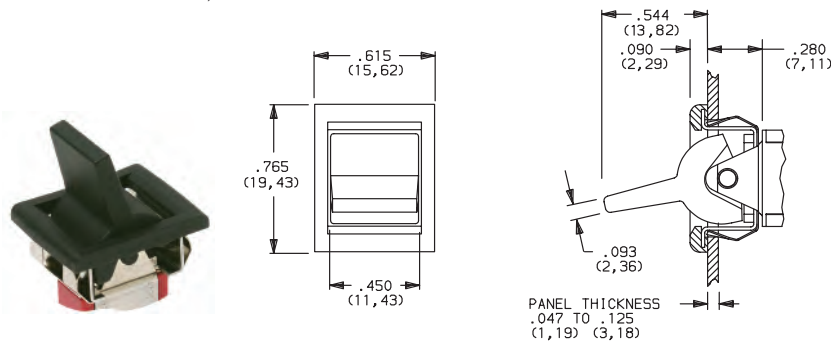


J52 Actuator



For J51, J52: Increase this dimension to .620/.625 (15,75/15,88) for .060/.125(1,52/3,18) thk. panels.

J61 LEVER WITH FRAME, SNAP-IN



Rocker



Dimensions are shown: Inches (mm)

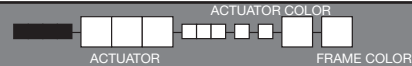
Specifications and dimensions subject to change

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7000 Series Miniature Rocker & Lever Handle Switches

ACTUATOR-SNAP-IN FRONT MOUNT



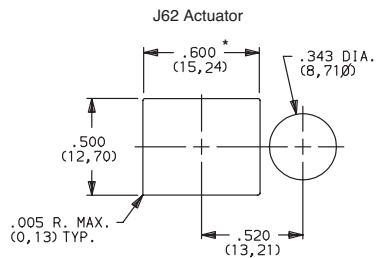
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

OPTION CODE	FRAME COLOR
2	BLACK
NONE	No Frame Color (J90 options)
1	WHITE

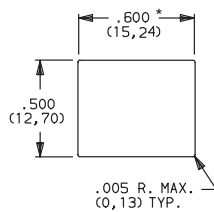
Finish: Matte. Other colors, custom actuator markings and legends available, consult Customer Service Center.

NOTE: Actuators & frames available separately, see pages G-21 through G-22. J62, J90 & J91 Actuators available with 71XX, 72XX, U1XX & U2XX models and C, W-W5, Z & Z3 terminations.

PANEL MOUNTING



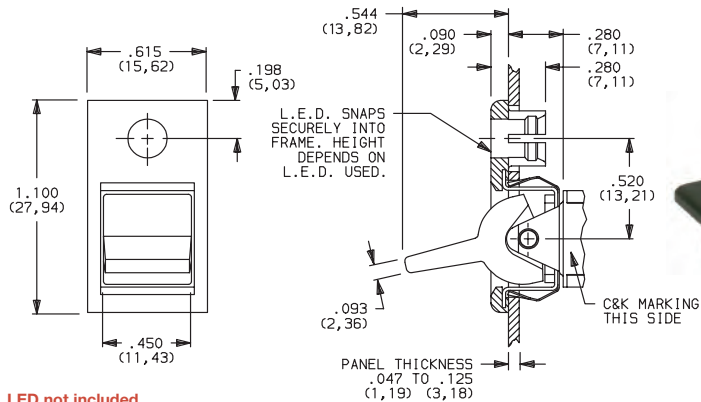
J90, J91 & J93 Actuators



* For J90: Increase this dimension to .620/.625 (15,75/15,88) for .091/.125 (2,31/3,18) thk. panels.
For J91: Increase this dimension to .620/.625 (15,75/15,88) for .060/.125 (1,52/3,18) thk. panels.

J62

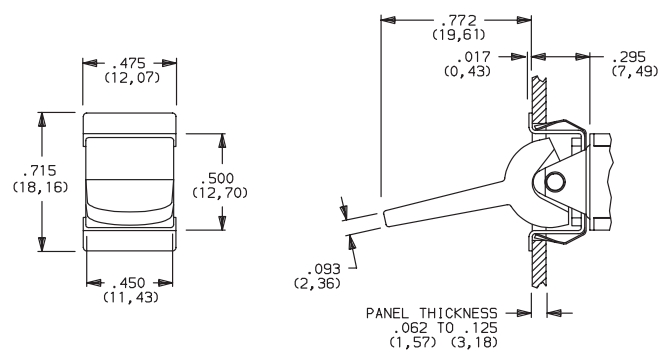
LEVER WITH FRAME FOR LED, SNAP-IN



LED not included.
For LED information, see page H-25.

J90

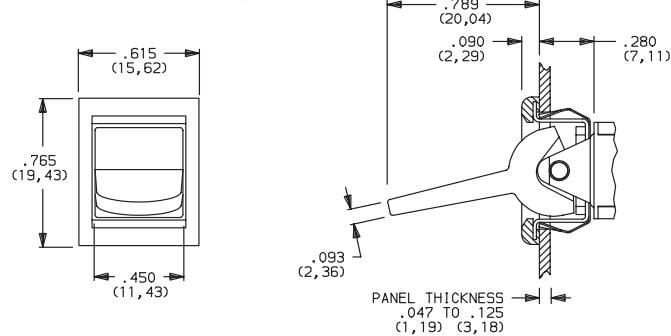
LEVER, SNAP-IN



No frame color choice required.

J91

LEVER WITH FRAME, SNAP-IN



Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change



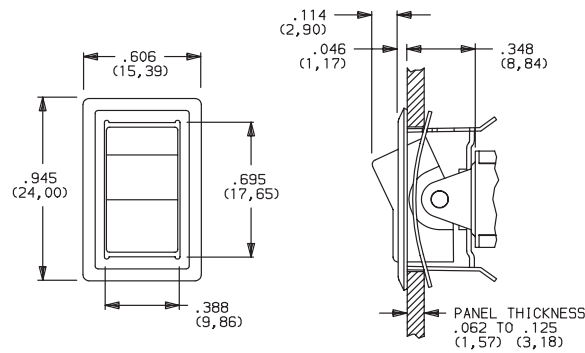
7000 Series Miniature Rocker & Lever Handle Switches

ACTUATOR-REAR MOUNT

ACTUATOR

FRAME COLOR

J11 ROCKER WITH FRAME



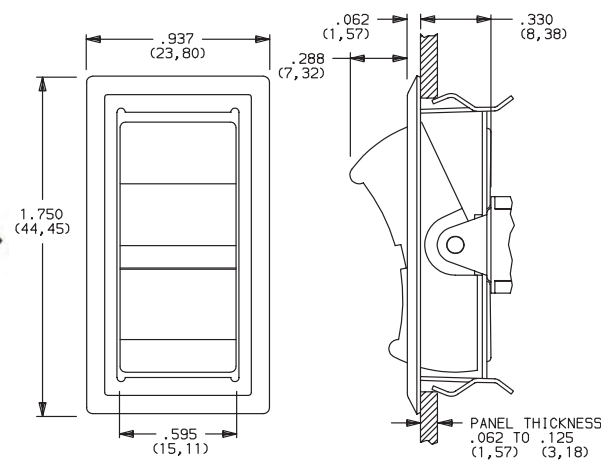
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

OPTION CODE	FRAME COLOR
2	BLACK
1	WHITE

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

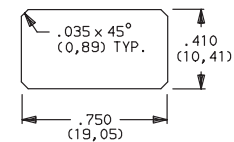
NOTE: Actuators & frames available separately, see pages G-21 through G-22. J11, J19, J21 & J37 Actuators available with C, W-W5, Z & Z3 terminations.

J19 ROCKER WITH FRAME

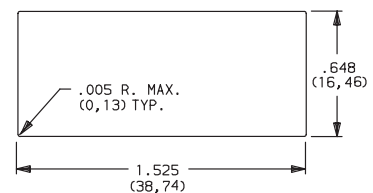


PANEL MOUNTING

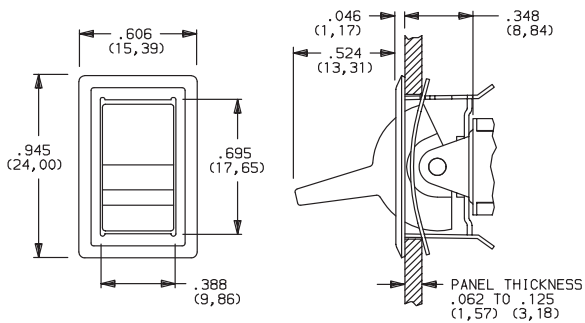
J11 & J21 Actuators



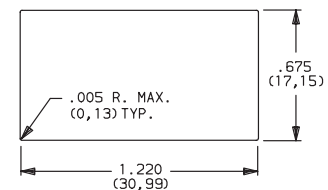
J19 Actuator



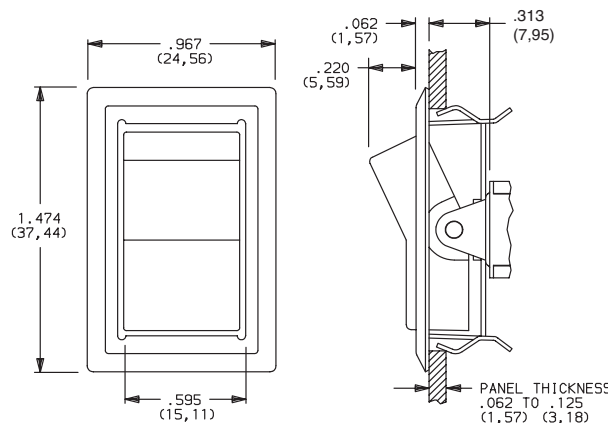
J21 LEVER WITH FRAME



J37 Actuator



J37 ROCKER WITH FRAME



Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

www.ck-components.com

Rocker

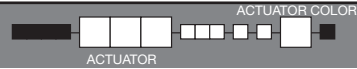


G

C&K

7000 Series Miniature Rocker & Lever Handle Switches

ACTUATOR-PC MOUNT



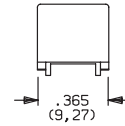
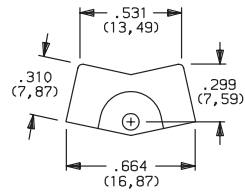
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

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

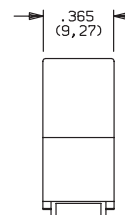
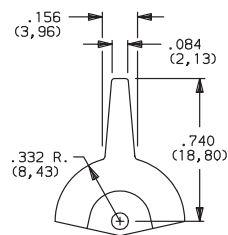
NOTE: Some permissible actuator/termination combinations may lack clearance between actuator and PC board, and care must be exercised to accommodate this condition.

Actuators available separately, see page G-21 through G-22. J1, J2 & J8 actuators available with A, A3, AV2, AV3, AW3 & V2 terminations. J3 actuators available with AV2, AV3 & V2-V61 terminations. J50 actuators available with A (DP, 3P models only), A3 (DP, 3P models only), AV2, AV3, AW3 (DP, 3P models only) & V2-V61 terminations.

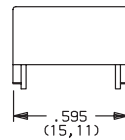
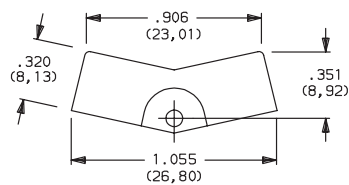
J1 ROCKER



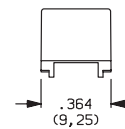
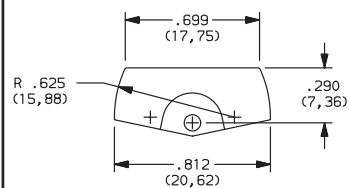
J2 LEVER



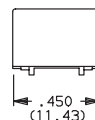
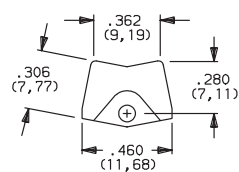
J3 ROCKER



J8 ROCKER



J50 ROCKER



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

www.ck-components.com



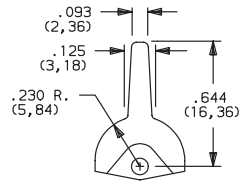
7000 Series Miniature Rocker & Lever Handle Switches

ACTUATOR-PC MOUNT

ACTUATOR COLOR

ACTUATOR

J60 LEVER

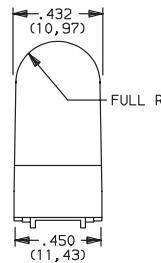
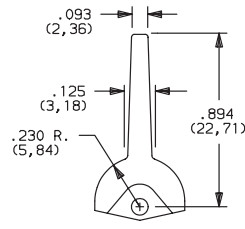


OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

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

NOTE: Some permissible actuator/termination combinations may lack clearance between actuator and PC board, and care must be exercised to accommodate this condition.

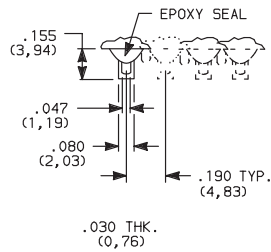
J90 LEVER



Actuators available separately, see page G-21 through G-22. J60 & J90 actuators available with A (DP, 3P models only), A3 (DP, 3P models only), AV2, AV3, AW3 (DP, 3P models only) & V2-V61 terminations.

TERMINATIONS

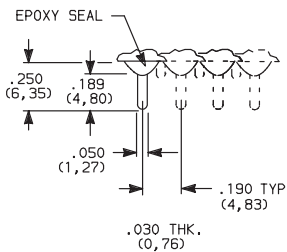
Z SOLDER LUG



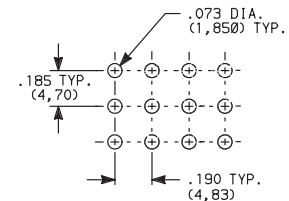
SPDT thru 4PDT

Not available with P, R or S contact materials. Available actuators, see pages G-7 through G-13.

C PC THRU-HOLE



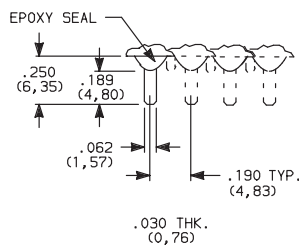
PC MOUNTING



SPDT thru 4PDT

NOTE: Available actuators, see pages G-7 through G-13.

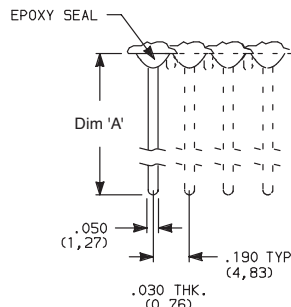
Z3 QUICK CONNECT



SPDT thru 4PDT

Not available with P, R or S contact materials. Available actuators, see pages G-7 through G-13. Mating quick connector available; order part number 530100000, page G-22.

W, W3, W5 WIRE WRAP



OPTION CODE	DIM 'A'
W	.750 (19,05)
W3	.425 (10,80)
W5	1.305 (33,15)

SPDT thru 4PDT

NOTE: Available actuators, see pages G-7 through G-13.



Third Angle Projection

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

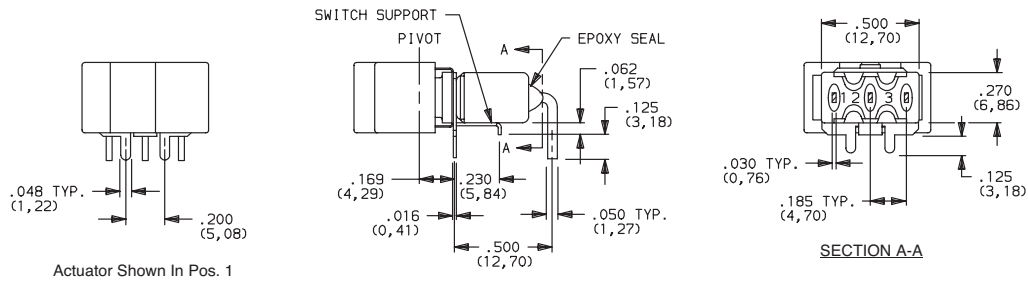
www.ck-components.com



7000 Series Miniature Rocker & Lever Handle Switches

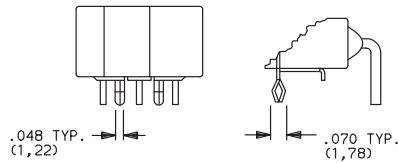
TERMINATIONS

A RIGHT ANGLE, PC THRU-HOLE

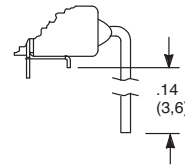


7101J1ABE2
Horizontal Actuation
SPDT

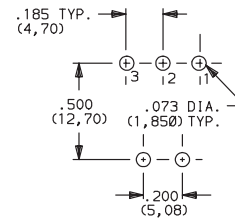
A3 RIGHT ANGLE, SNAP-IN, PC THRU-HOLE



AW3 RIGHT ANGLE, EXTENDED, PC THRU-HOLE



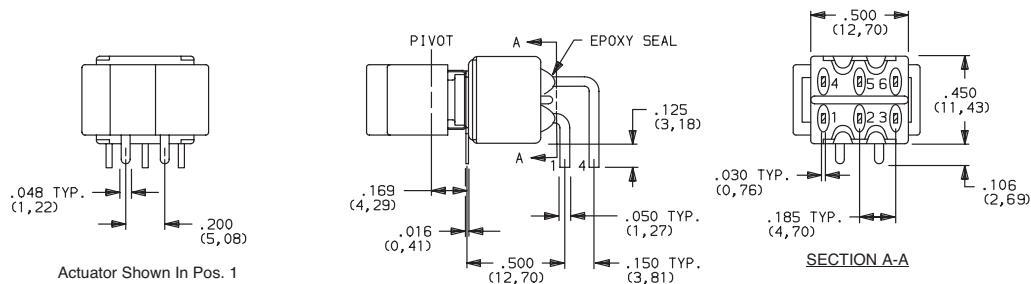
PC MOUNTING



Not available with I seal option. Available actuators, see pages G-6 and G-12.
Terminal bend radii and lead-in manufacturing option.

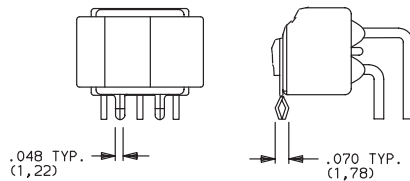
NOTE: PC pattern must clear switch support leg.

A RIGHT ANGLE, PC THRU-HOLE

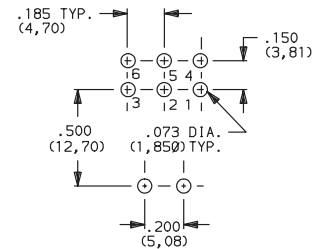


7201J1ABE2
Horizontal Actuation
DPDT

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



PC MOUNTING



Not available with I seal option. Available actuators, see pages G-6 and G-12.
Terminal bend radii and lead-in manufacturing option.



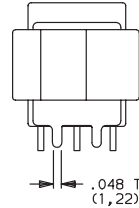
7000 Series Miniature Rocker & Lever Handle Switches

TERMINATIONS

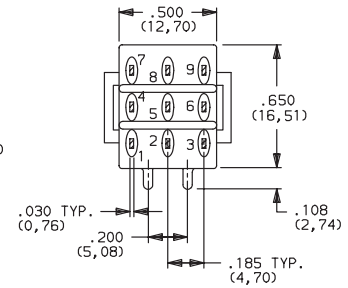
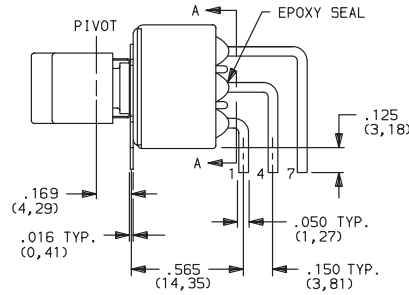
A RIGHT ANGLE, PC THRU-HOLE



7301J1ABE2
Horizontal Actuation
3PDT



Actuator Shown In Pos. 1



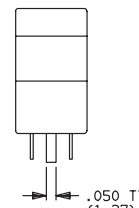
SECTION A-A

Not available with I seal option. Available actuators, see pages G-6 and G-12.
Terminal bend radii and lead-in manufacturing option.

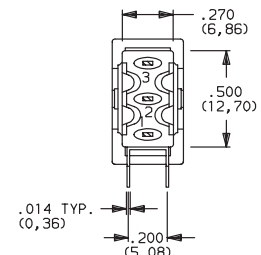
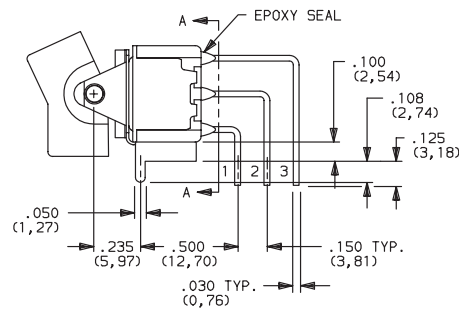
AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE, .150" PITCH



7101J1AV2BE2
Vertical Actuation
SPDT

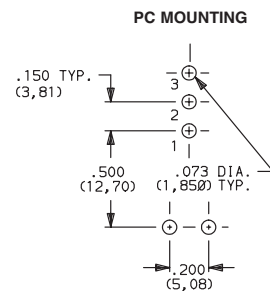
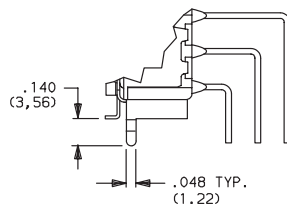
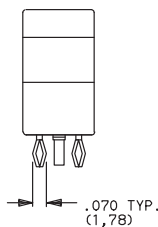


Actuator Shown In Pos. 1



SECTION A-A

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



PC MOUNTING

Rocker

Not available with I seal option. Available actuators, see pages G-6 and G-12.
Terminal bend radii and lead-in manufacturing option.



Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

www.ck-components.com

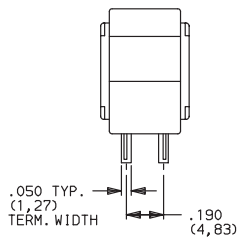


C&K

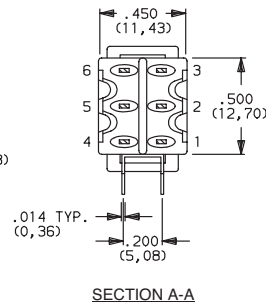
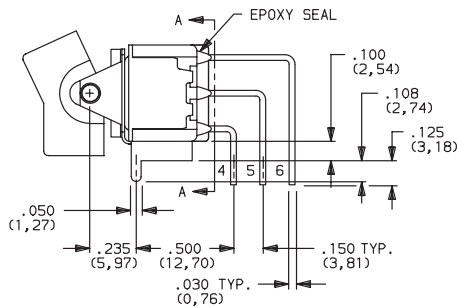
7000 Series Miniature Rocker & Lever Handle Switches

TERMINATIONS

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

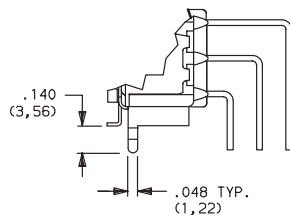
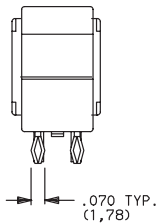


Actuator Shown In Pos. 1

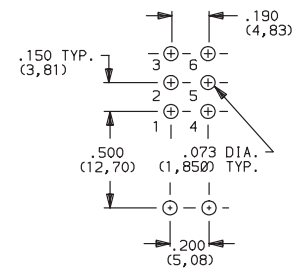


7201J1AV2BE2
Vertical Actuation
DPDT

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

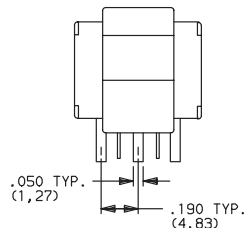


PC MOUNTING

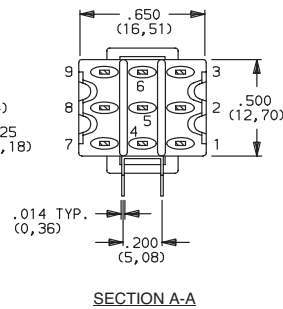
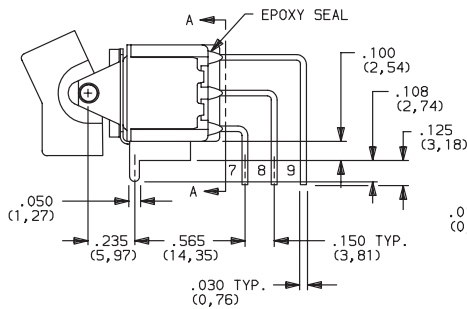


Not available with I seal option. Available actuators, see pages G-6 and G-12.
Terminal bend radii and lead-in manufacturing option.

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

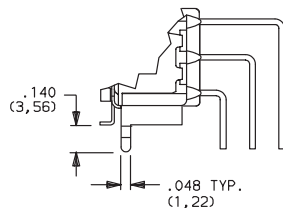
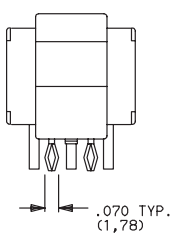


Actuator Shown In Pos. 1

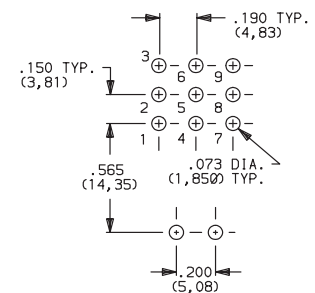


7301J1AV2BE2
Vertical Actuation
3PDT

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



PC MOUNTING



Not available with I seal option. Available actuators, see pages G-6 and G-12.
Terminal bend radii and lead-in manufacturing option.



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

www.ck-components.com



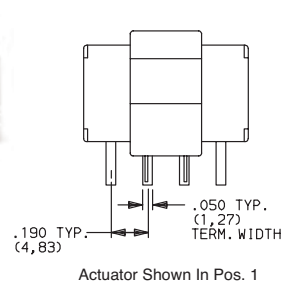
7000 Series Miniature Rocker & Lever Handle Switches

TERMINATIONS

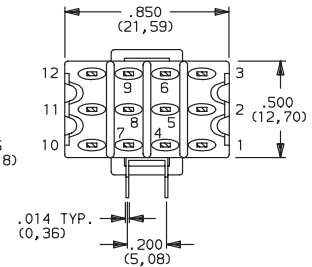
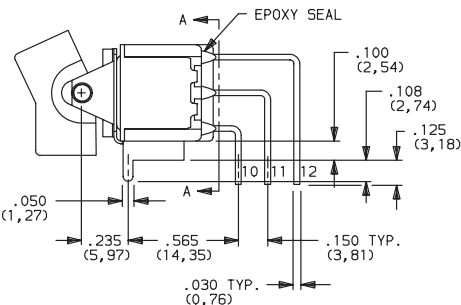
AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE,
.150" PITCH



7401J1AV2BE2
Vertical Actuation
4PDT

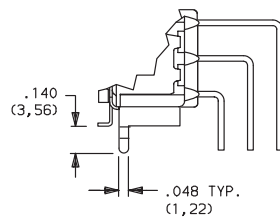
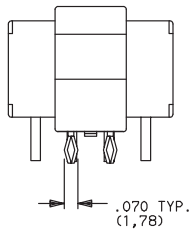


Actuator Shown In Pos. 1

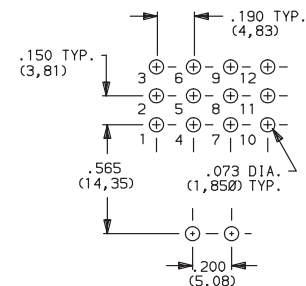


SECTION A-A

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



PC MOUNTING

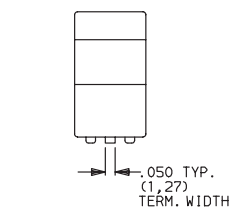


Not available with I seal option. Available actuators, see pages G-6 and G-12.
Terminal bend radii and lead-in manufacturing option.

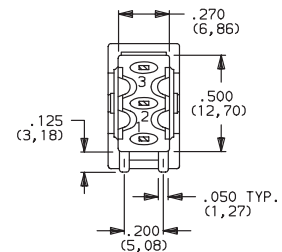
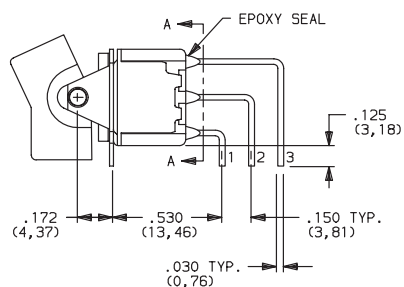
V5 VERTICAL RIGHT ANGLE, PC THRU-HOLE,
.150" PITCH



7101J1V5BE2
Vertical Actuation
SPDT

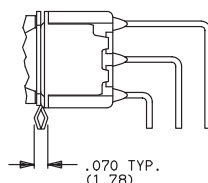
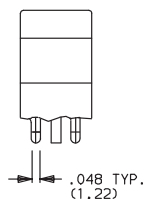


Actuator Shown In Pos. 1

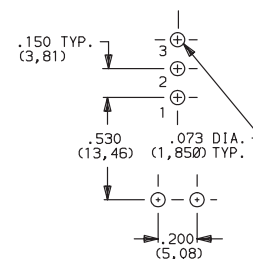


SECTION A-A

V51 VERTICAL RIGHT ANGLE, SNAP-IN,
PC THRU-HOLE, .150" PITCH



PC MOUNTING



Rocker

Not available with I seal option. Available actuators, see pages G-6 and G-12.
Terminal bend radii and lead-in manufacturing option.

Third Angle Projection

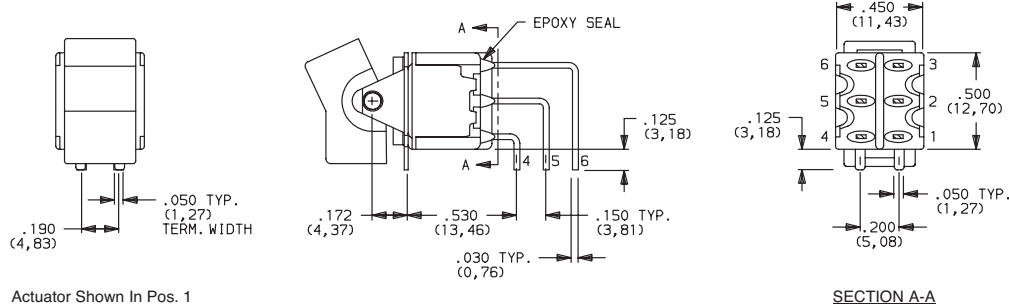
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

www.ck-components.com

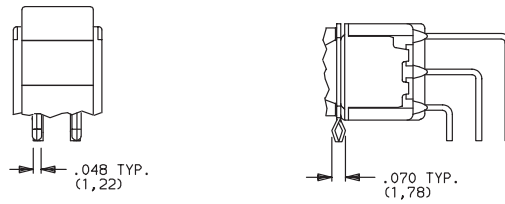
7000 Series Miniature Rocker & Lever Handle Switches

TERMINATIONS

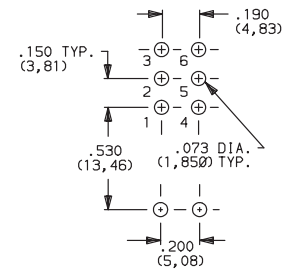
V5 VERTICAL RIGHT ANGLE, PC THRU-HOLE,
.150" PITCH



V51 VERTICAL RIGHT ANGLE, SNAP-IN,
PC THRU-HOLE, .150" PITCH



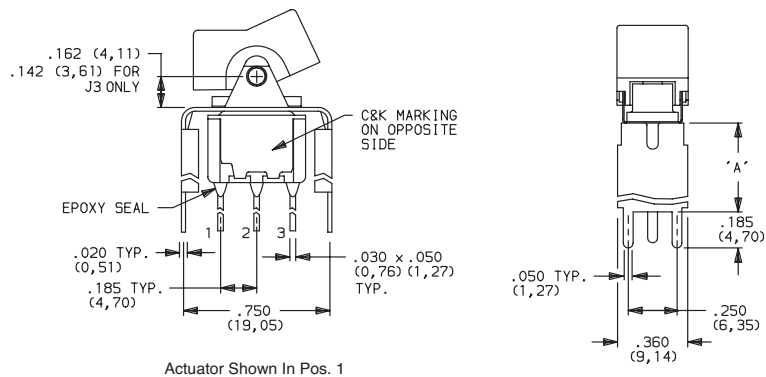
PC MOUNTING



Not available with I seal option. Available actuators, see pages G-6 and G-12.
Terminal bend radii and lead-in manufacturing option.

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

V61 VERTICAL MOUNT, V-BRACKET, SNAP-IN



Not available with I seal option.
Available actuators, see pages G-6 and G-12.

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



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

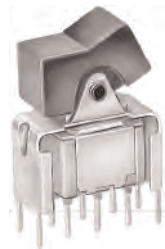
C&K

7000 Series Miniature Rocker & Lever Handle Switches

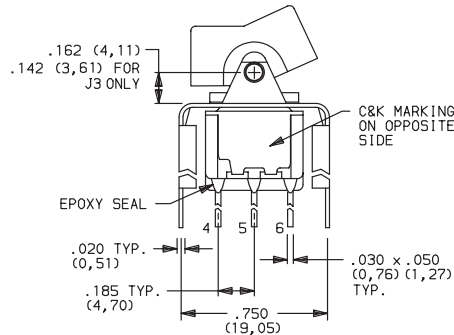
TERMINATIONS

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

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

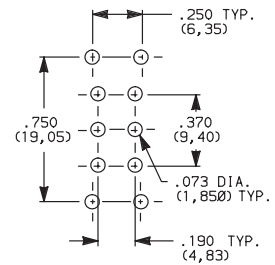


7201J1_BE2
DPDT



Actuator Shown In Pos. 1

PC MOUNTING



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

Not available with I seal option.

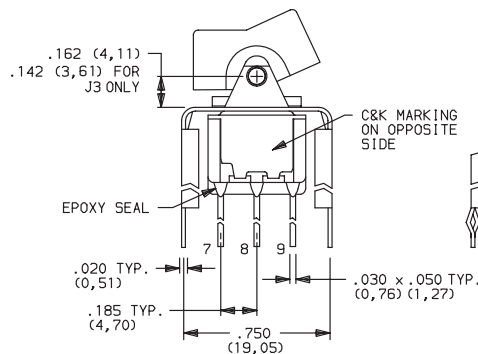
Available actuators, see pages G-6 and G-12.

V2, V7, V8 VERTICAL MOUNT, V-BRACKET

V21 VERTICAL MOUNT, V-BRACKET, SNAP-IN

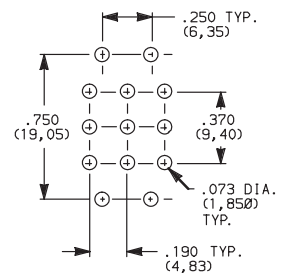


7301J1_BE2
3PDT



Actuator Shown In Pos. 1

PC MOUNTING



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

Not available with I seal option.

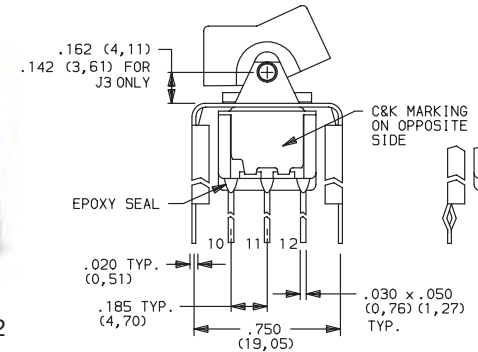
Available actuators, see pages G-6 and G-12.

V2, V7, V8 VERTICAL MOUNT, V-BRACKET

V21 VERTICAL MOUNT, V-BRACKET, SNAP-IN

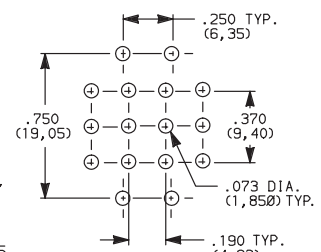


7401J1_BE2
4PDT



Actuator Shown In Pos. 1

PC MOUNTING



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

Not available with I seal option.

Available actuators, see pages G-6 and G-12.



Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

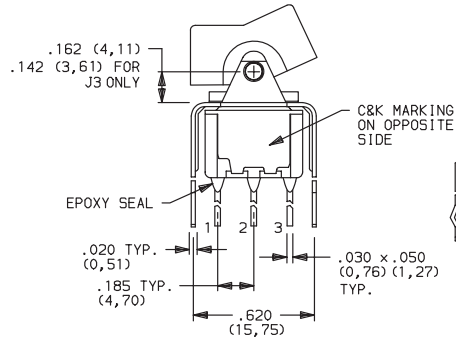
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7000 Series Miniature Rocker & Lever Handle Switches

TERMINATIONS

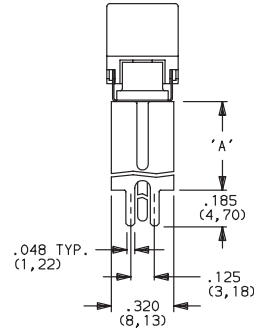
V3, V4, V9 VERTICAL MOUNT, V-BRACKET

V31 VERTICAL MOUNT, V-BRACKET, SNAP-IN

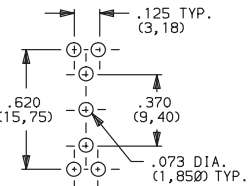


Actuator Shown In Pos. 1

Not available with I seal option.
Available actuators, see pages G-6 and G-12.



PC MOUNTING

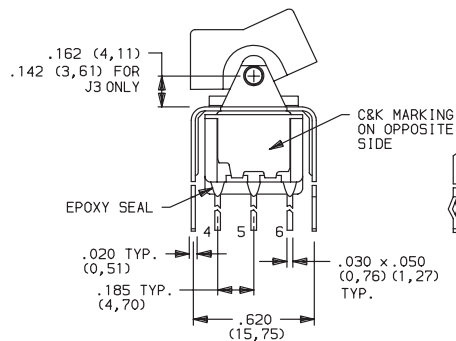


7101J1_BE2
SPDT

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

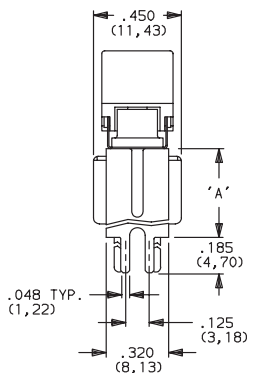
V3, V4, V9 VERTICAL MOUNT, V-BRACKET

V31 VERTICAL MOUNT, V-BRACKET, SNAP-IN

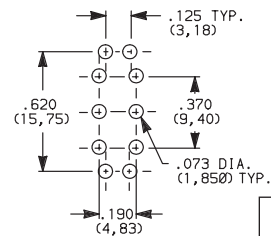


Actuator Shown In Pos. 1

Not available with I seal option.
Available actuators, see pages G-6 and G-12.



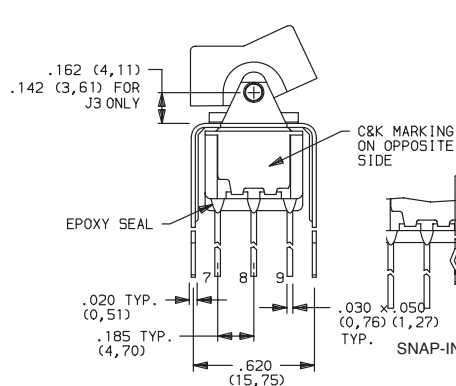
PC MOUNTING



7201J1_BE2
DPDT

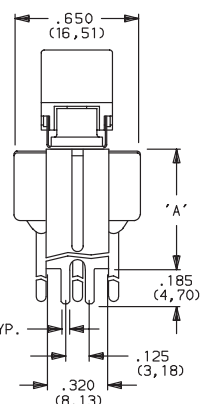
OPTION CODE	DIM 'A'
V3, V31	.460 (11,68)
V4	.630 (16,00)
V9	1.150 (29,21)

V4, V9 VERTICAL MOUNT, V-BRACKET

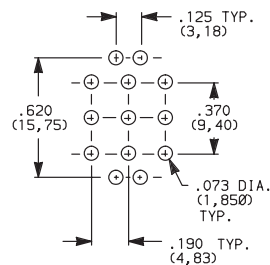


Actuator Shown In Pos. 1

Not available with I seal option.
Available actuators, see pages G-6 and G-12.



PC MOUNTING



7301J1_BE2
3PDT

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



Third Angle
Projection

C&K

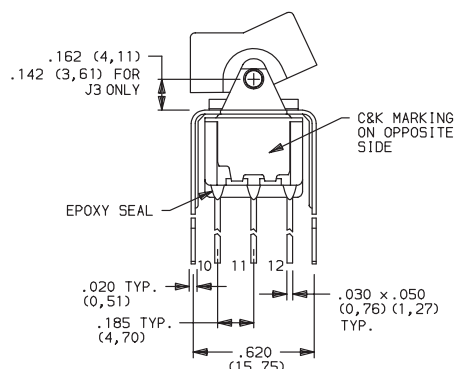
7000 Series Miniature Rocker & Lever Handle Switches

TERMINATIONS

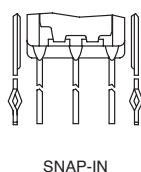
V4, V9 VERTICAL MOUNT, V-BRACKET



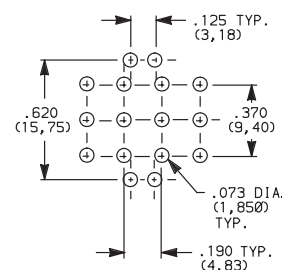
7401J1_BE2
4PDT



Actuator Shown In Pos. 1



PC MOUNTING



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

Not available with I seal option.
Available actuators, see pages G-6 and G-12.

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	5 AMPS @ 120 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	0.4 VA MAX @ 20 V AC OR DC MAX OR 5 AMPS @ 120 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, silver plated.

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

U11-U415 model numbers  with all options when ordered with G, Q, S & R contact material.

B contact material standard with all terminations except C, Z & Z3.

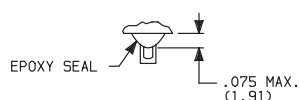
Q contact material standard with C, Z & Z3 terminations.

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

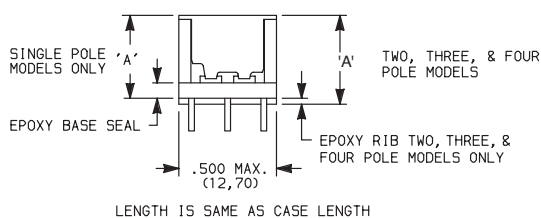
NOTE: Any models supplied with Q, B, G S, P & R contact material are RoHS compliant.

SEAL

E EPOXY SEAL



I EPOXY POTTED BASE



Available with C, W through W5, Z & Z3 terminations.

NO. POLES	DIM 'A'
SP	.410 (10,41)
DP	.440 (11,18)
3P	.505 (12,83)
4P	.505 (12,83)



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

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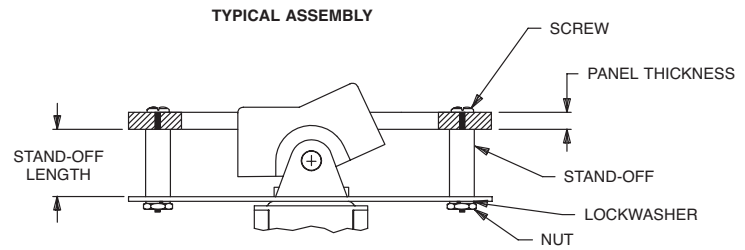


7000 Series Miniature Rocker & Lever Handle Switches

AVAILABLE HARDWARE

Panel mounting hardware for rocker and lever handle switches is available separately. Mounting hardware consists of two screws, two nuts, two standoffs and two lockwashers per switch, and is available for panel thicknesses of 1/16, 3/32 and 1/8 inch. See part numbers below.

Qty	Part Number	Description
2	761103000	Standoffs
2	764100000	Mounting screws
2	764200000	Lock washers
2	764300000	Hex nuts



J1 & J2 actuators

PART NO.	PANEL THK.	STANDOFF LENGTH
761103000	1/8 IN. (3,18)	.233 (5,92)

J3 actuators

PART NO.	PANEL THK.	STANDOFF LENGTH
770603000	1/8 IN. (3,18)	.233 (5,92)

J10 actuators

PART NO.	PANEL THK.	STANDOFF LENGTH
770703000	1/8 IN. (3,18)	.233 (5,92)

MATERIAL

Screws, nuts, lockwashers: Stainless steel. Standoffs: Nylon, standard.

J1, J11, J15 & J16 Actuators



PART NO.
776A01000 WHITE
776A02263 BLACK
776A03000 RED

Material: Nylon
Finish: Matte

J2, J21, J25 & J26 Actuators



PART NO.
426D01000 WHITE
426D02263 BLACK
426D03000 RED

Material: Nylon
Finish: Matte

J3 & J37 Actuators



PART NO.
431D01000 WHITE
431D02263 BLACK
431D03000 RED

Material: Nylon
Finish: Matte

J50, J51 & J52 Actuators



PART NO.
775A01000 WHITE
775A02263 BLACK
775A03000 RED

Material: Nylon
Finish: Matte

J60, J61 & J62 Actuators



PART NO.
598101000 WHITE
613802263 BLACK
598103000 RED

Material: Nylon
Finish: Matte

J8 Actuator



PART NO.
488701000 WHITE
488702263 BLACK
488703000 RED

Material: Nylon
Finish: Matte



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



7000 Series Miniature Rocker & Lever Handle Switches

AVAILABLE HARDWARE

J90 & J91 Actuators



PART NO.

598001000 WHITE
598002263 BLACK
598003000 RED

Material: Nylon
Finish: Matte

J10 & J19 Actuators



PART NO.

769501000 WHITE
769502263 BLACK
769503000 RED

Material: Nylon
Finish: Matte

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

Frame for J16 & J26 Actuators



PART NO.

459101000 WHITE
459102000 BLACK
459103000 RED

Material: Nylon
Finish: Matte

Frame for J51, J61 & J91 Actuators



PART NO.

615601000 WHITE
615602263 BLACK
615603000 RED

Material: Nylon
Finish: Matte

Frame for J19 Actuator



PART NO.

781000746 BLACK ENAMEL
781000747 WHITE ENAMEL

Material: Spring Steel

Frame for J37 Actuator



PART NO.

445400746 BLACK ENAMEL
445400747 WHITE ENAMEL

Material: Spring Steel

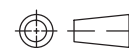
Frame for J52 & J62 Actuators



PART NO.

613301000 WHITE
613302263 BLACK
613303000 RED

Material: Nylon
Finish: Matte



Third Angle
Projection

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

www.ck-components.com

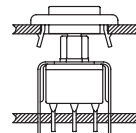


7000 Series Miniature Rocker & Lever Handle Switches

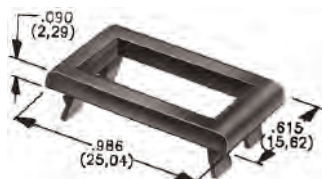
AVAILABLE HARDWARE

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. 452902263	PART NO. 452702263	PART NO. 452802263	PART NO. 452602263 BLACK

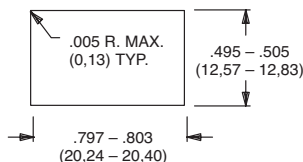
J50, J60 & J90 Actuators



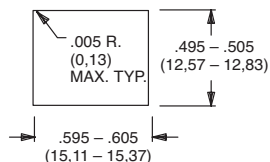
.047" (1,19) PANEL THK.	.062" (1,57) PANEL THK.	.090" (2,29) PANEL THK.	.125" (3,18) PANEL THK.
PART NO. 432502263	PART NO. 432602263	PART NO. 432702263	PART NO. 432802263 BLACK

PANEL MOUNTING

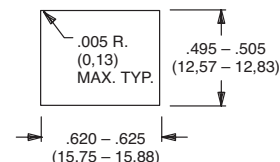
For part numbers
4529xxxxx, 4527xxxxx,
4528xxxxx, 4526xxxxx



For part numbers
4325xxxxx, 4326xxxxx



For part numbers
4327xxxxx, 4328xxxxx



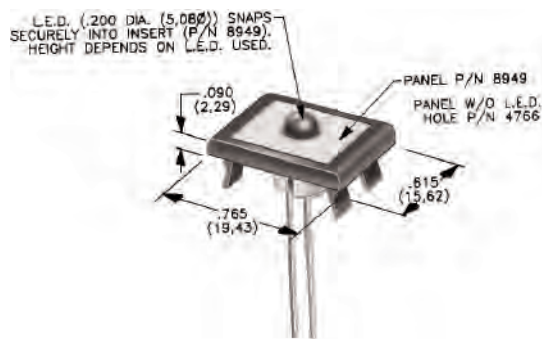
7000 Series Miniature Rocker & Lever Handle Switches

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

PART NO.
894902000

BLANK PANEL INSERT WITHOUT HOLE FOR LED

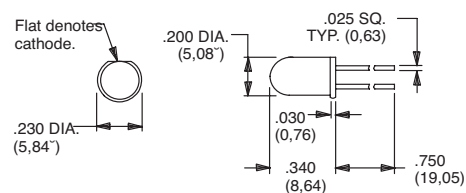
PART NO.
476602000 BLACK

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

LED INFORMATION

Process Information: Soldering to LED leads must be completed within 5 seconds at 500° F (260°C) maximum.

LEDs are not supplied with J52, J62 options. LED snaps into switch frame surrounding actuator and is wired externally.



Suggested LED for J52 & J62 options.
Dimensions for reference only.

Rocker



C&K



Third Angle
Projection

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

E Series

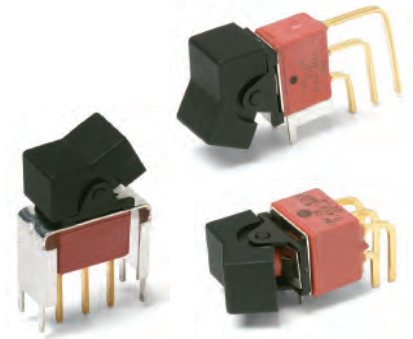
Sealed Miniature Rocker and Lever Handle Switches

Features/Benefits

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

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, matte-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: Any models supplied with Q, B, G, S, P & R contact material are RoHS compliant.

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 through G-38. 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	Actuator	Terminations	Contact Material	Seal	Actuator Color	Frame Color	Metal Frame Color
E101 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 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-On-On E213 DP On-On-Mom. E215 DP Mom.-On-Mom. E301 3P On-None-On	J1 .531 long rocker J2 Lever J3 .906" long rocker J11 Rocker with frame J21 Lever with frame J50 .362" long rocker J60 Lever J90 Lever	A Right angle, PC thru-hole AV2 Vertical right angle, PC thru-hole C PC Thru-hole Z Solder lug A3 Right angle, snap-in, PC thru-hole AV3 Vertical right angle, snap-in, PC thru-hole 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 V21 .555" high, V-bracket, snap-in V31 .460" high, V-bracket, snap-in	B Gold P Gold, matte tin S Silver Q Silver, matte-tin G Gold over silver R Gold over silver, matte-tin	E Epoxy	2 Black 3 Red	2 Black NONE No frame color required	2 Black (J11, J21 Actuators)



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

www.ck-components.com

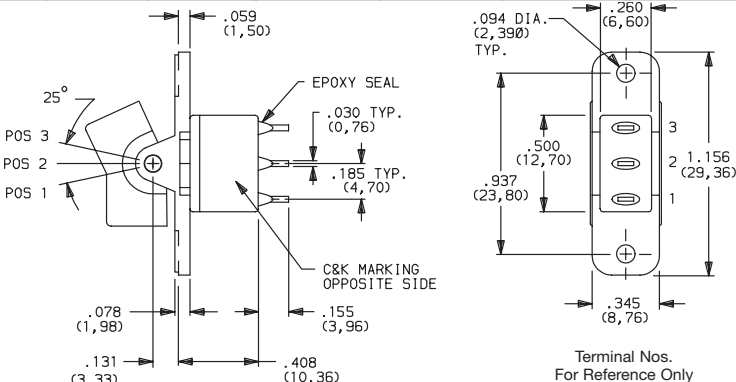


E Series

Sealed Miniature Rocker and Lever Handle Switches

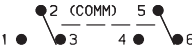
SWITCH FUNCTION

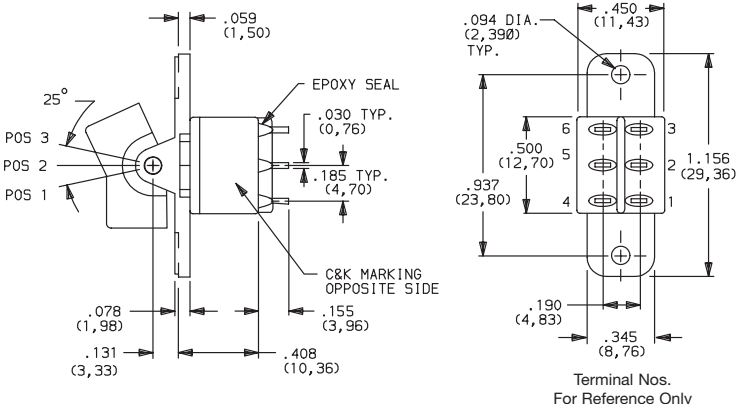
NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
								
		C&K marking on opposite side			C&K marking on opposite side			
SP	E101	ON	NONE	ON	2-3	N/A	2-1	
	E103	ON	OFF	ON		OPEN		
	E105	MOM.	OFF	MOM.				
	E107	ON	OFF	MOM.				
	E108	ON	NONE	MOM.		N/A		
SPDT								



Part number shown: E101J1ZBE2

Terminal Nos.
For Reference Only

DP	E201	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.					N/A
	E208	ON	NONE	MOM.		2-3,5-4			
	E211**	ON	ON	ON					
	E213**	ON	ON	MOM.					
	E215**	MOM.	ON	MOM.					
DPDT									



Part number shown: E201J1ZBE2

Terminal Nos.
For Reference Only

MOM. = Momentary

** Wiring for 3-way switch, Hardware available separately, see Technical Data section of this catalog.

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

Rocker



Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

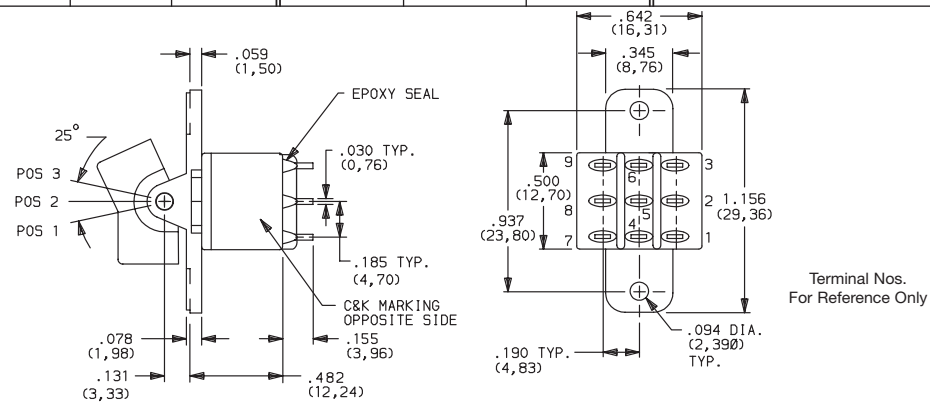
www.ck-components.com

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	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

** Wiring for 3-way switch, see Technical Data section of this catalog.

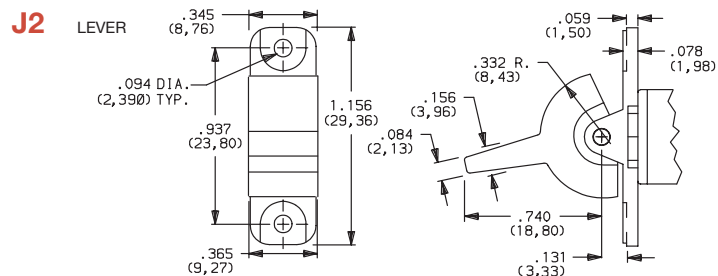
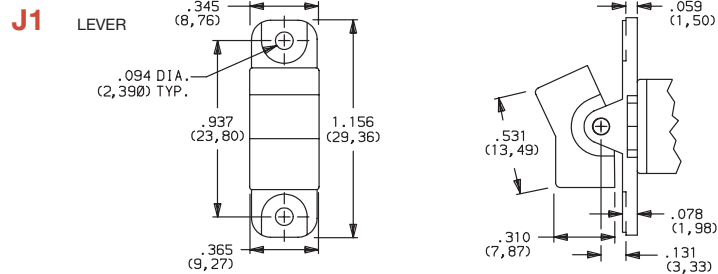
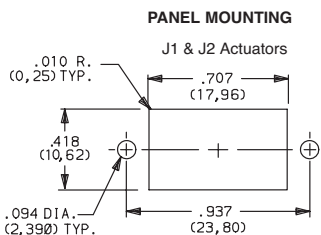
All models **C&K** US with all options when ordered with G, Q, R and S contact material.

ACTUATOR-PANEL REAR MOUNT

OPTION CODE	ACTUATOR COLOR
2	BLACK
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-36. Hardware available separately, see Technical Data section of this catalog. J1, J2 actuators available with C, Z or Z3 terminations.



Rocker



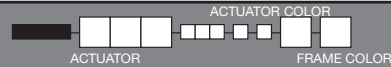
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

www.ck-components.com

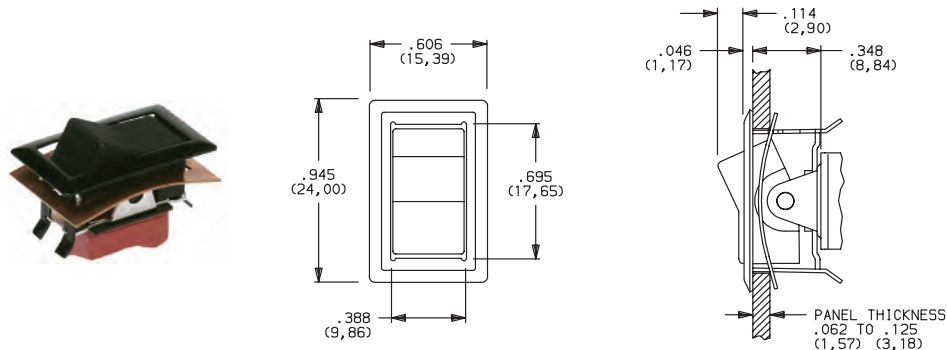


E Series Sealed Miniature Rocker and Lever Handle Switches

ACTUATOR-REAR MOUNT



J11 ROCKER WITH FRAME

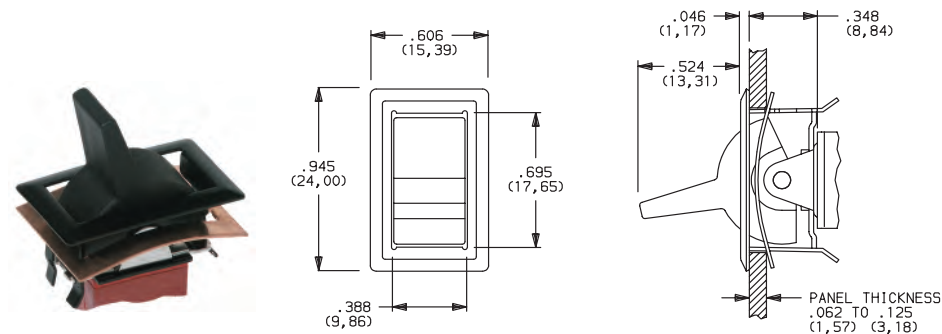


NOTE: This option has reduced anti-static capability.

OPTION CODE	ACTUATOR COLOR
2	BLACK
3	RED

OPTION CODE	FRAME COLOR
2	BLACK

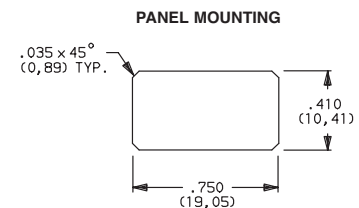
J21 LEVER WITH FRAME



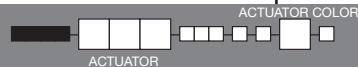
NOTE: This option has reduced anti-static capability.

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

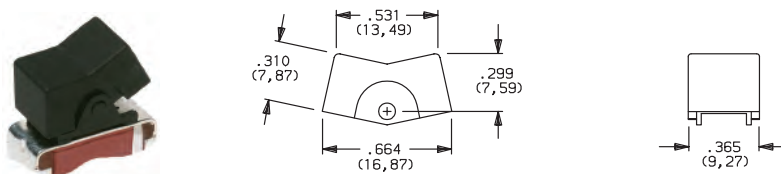
NOTE: Internal o-ring actuator seal standard. Actuators & frames available separately, see page G-36. Hardware available separately, see Technical Data section of this catalog. N, J11 & J21 actuators available with C, Z & Z3 terminations.



ACTUATOR-PC MOUNT

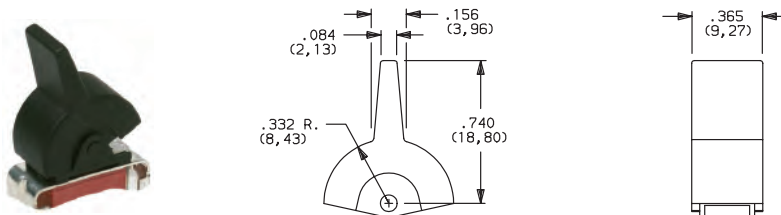


J1 ROCKER



OPTION CODE	ACTUATOR COLOR
2	BLACK
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-36. Hardware available separately, see Technical Data section of this catalog. J1, J2 actuators available with A, A3, AV2, AV3, V2-V61 terminations.



Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

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E Series Sealed Miniature Rocker and Lever Handle Switches

ACTUATOR-PC MOUNT



OPTION CODE	ACTUATOR COLOR
2	BLACK
3	RED

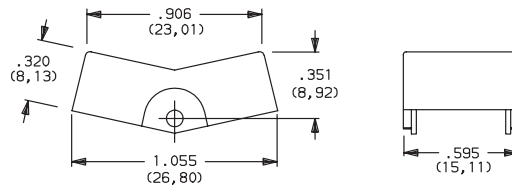
Finish: Matte. Other colors, custom actuator markings and legends available, consult Customer Service Center.

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-36. Hardware available separately, see Technical Data section of this catalog.

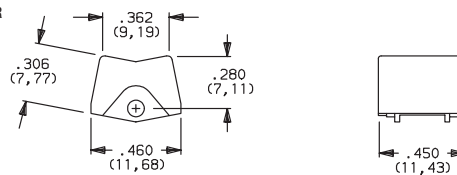
J3 actuators available with AV2, AV3 & V2-V61 terminations. Some permissible actuator/termination combinations may lack clearance between actuator and PC board, and care must be exercised to accommodate this condition.

J50, J60 & J90 actuators available with A, AV2, AV3, V2 – V61 terminations.

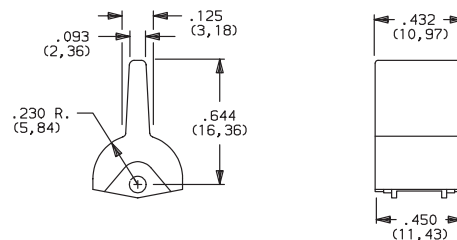
J3 ROCKER



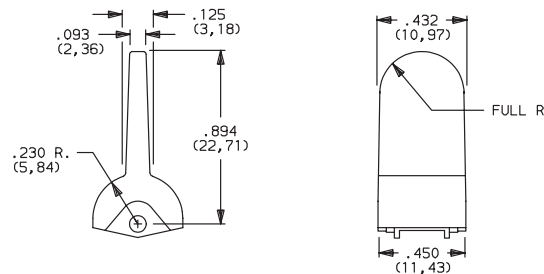
J50 ROCKER



J60 LEVER



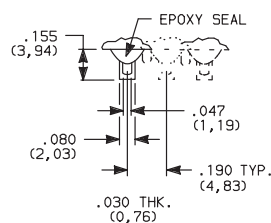
J90 LEVER



TERMINATIONS



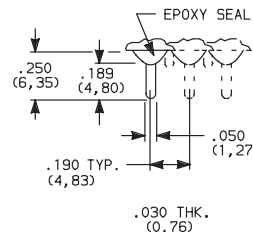
Z SOLDER LUG



SPDT thru 3PDT

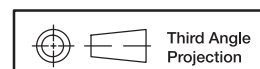
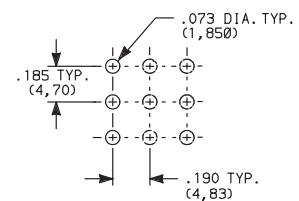
Not available with P, S, & R contact materials. Available actuators, see page G-27-28.

C PC THRU-HOLE



SPDT thru 3PDT

PC MOUNTING



Third Angle Projection

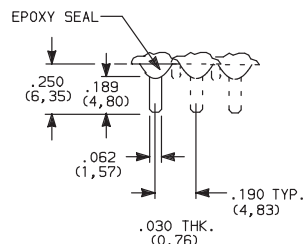
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change



E Series Sealed Miniature Rocker and Lever Handle Switches

TERMINATIONS

Z3 QUICK CONNECT



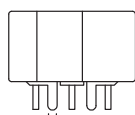
Not available with P, S, & R contact materials. Available actuators, see pages G-27 thru G-28. Mating quick connector available; order part number 530100000, page G-37.

SPDT thru 3PDT

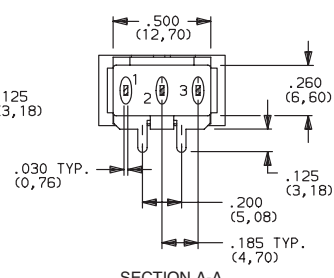
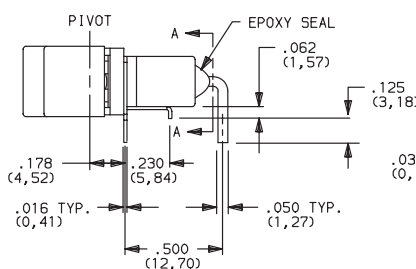
A RIGHT ANGLE, PC THRU-HOLE



E101J1ABE2
Horizontal Actuation
SPDT

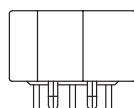


Actuator Shown In Pos. 1

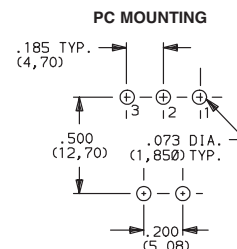
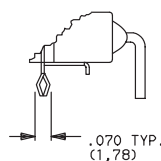


SECTION A-A

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



.050 TYP. (1,27)



PC MOUNTING

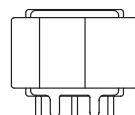
NOTE: Not available with J3, J50, J60 and J90 actuators. Available actuators, see pages G-27 thru G-29. Terminal bend radii and lead-in manufacturing option.

NOTE: PC mounting pattern must clear switch support leg.

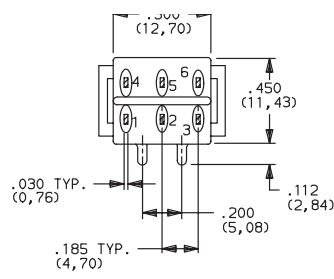
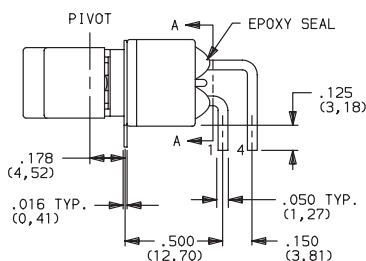
A RIGHT ANGLE, PC THRU-HOLE



E201J1ABE2
Horizontal Actuation
DPDT

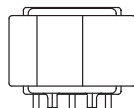


Actuator Shown In Pos. 1

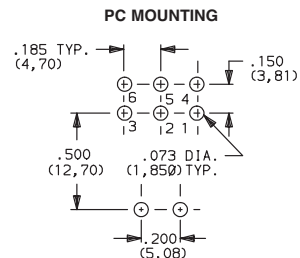
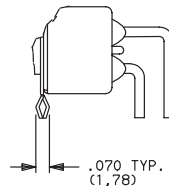


SECTION A-A

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



.048 TYP. (1,22)



PC MOUNTING

NOTE: Not available with J3 actuator. Available actuators, see pages G-27 thru G-29. Terminal bend radii and lead-in manufacturing option.



Third Angle Projection

Dimensions are shown: Inches (mm)

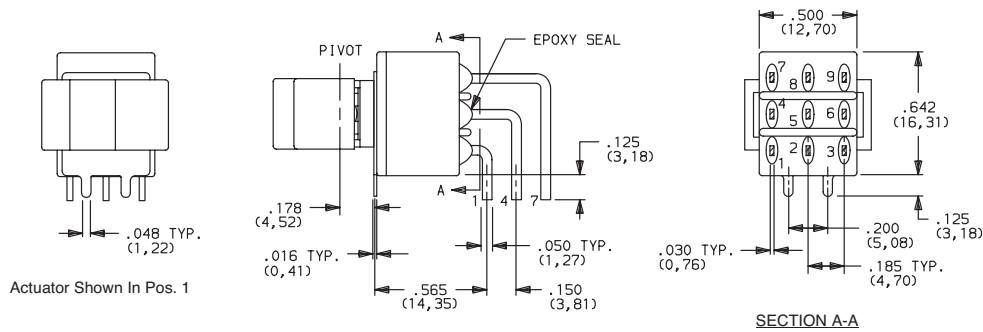
Specifications and dimensions subject to change

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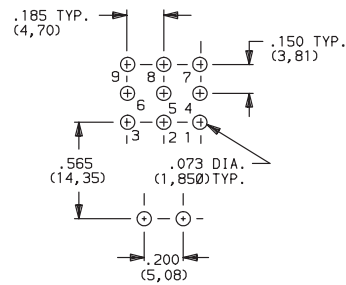
E Series Sealed Miniature Rocker and Lever Handle Switches

TERMINATIONS

A RIGHT ANGLE, PC THRU-HOLE

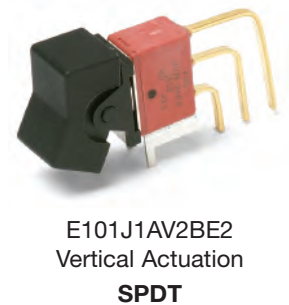
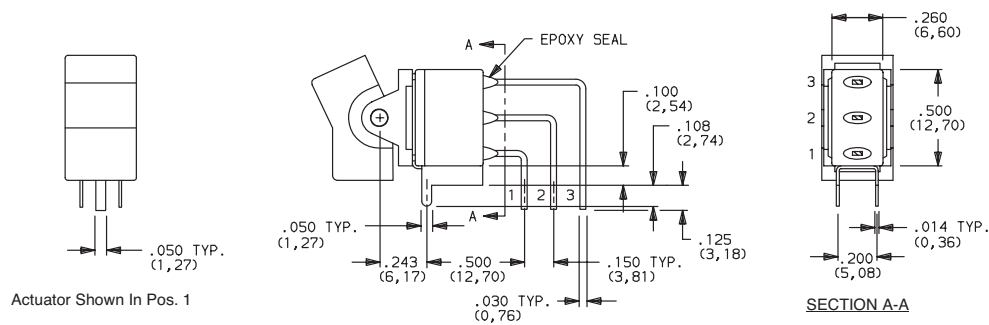


PC MOUNTING

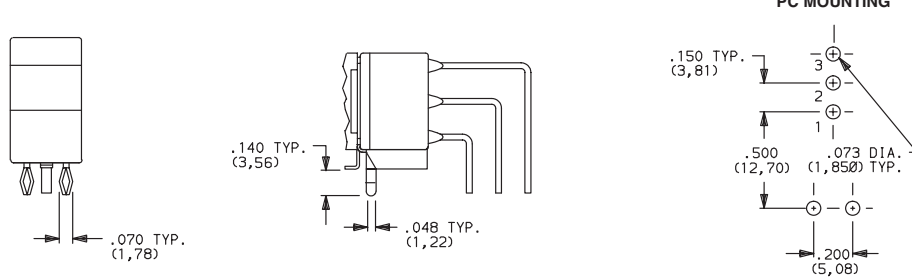


NOTE: Terminal bend radii and lead-in manufacturing option.
Available actuators, see pages G-27 thru G-29.

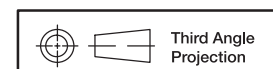
AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE, .150" PITCH



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-27 thru G-29.



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

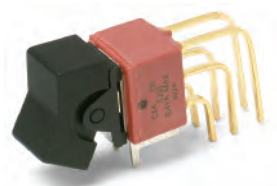
www.ck-components.com



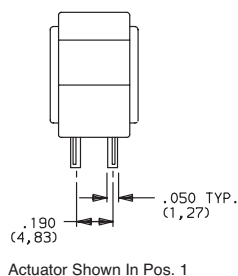
E Series Sealed Miniature Rocker and Lever Handle Switches

TERMINATIONS

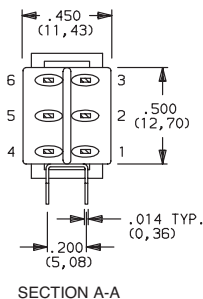
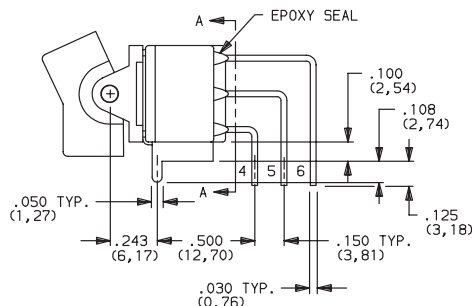
AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE,
.150" PITCH



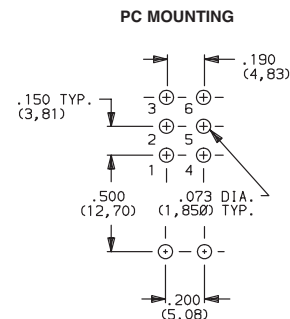
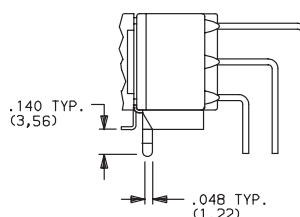
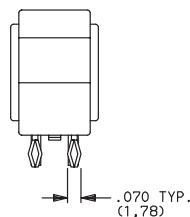
E201J1AV2BE2
Vertical Actuation
DPDT



Actuator Shown In Pos. 1



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

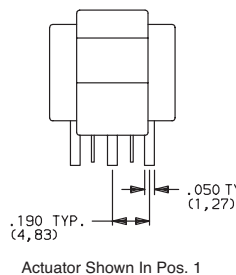


NOTE: Terminal bend radii and lead-in manufacturing option.
Available actuators, see pages G-27 thru G-29.

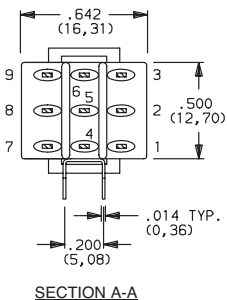
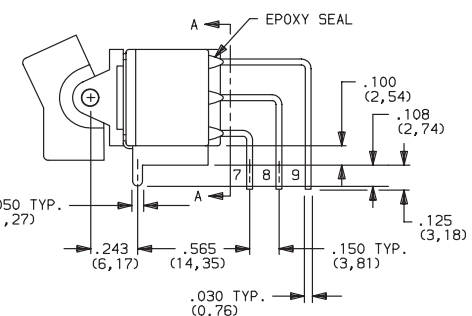
AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE,
.150" PITCH



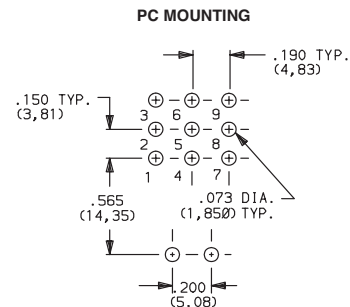
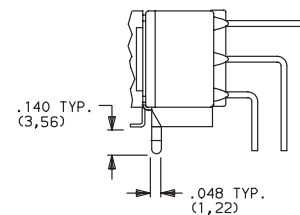
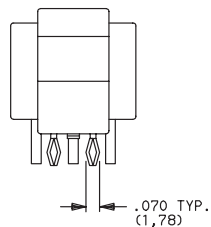
E301J1AV2BE2
Vertical Actuation
3PDT



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-27 thru G-29.

Rocker



G

C&K



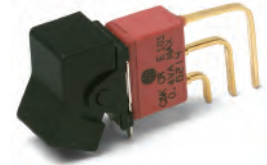
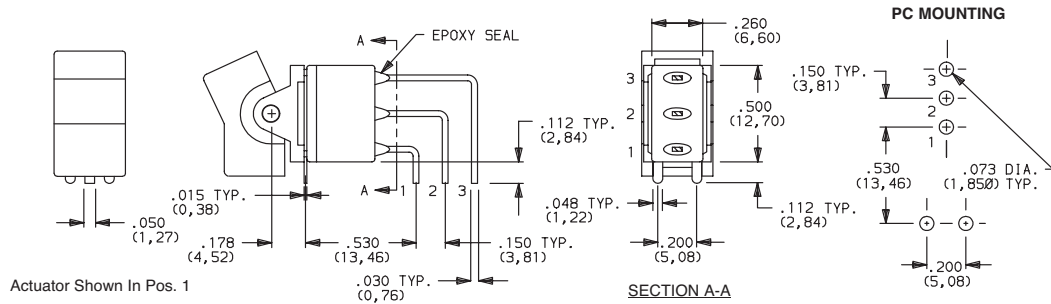
Third Angle Projection

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

E Series Sealed Miniature Rocker and Lever Handle Switches

TERMINATIONS

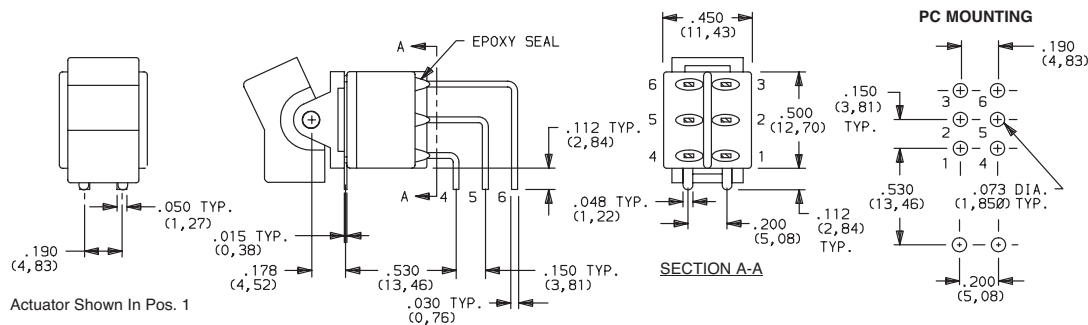
V5 VERTICAL RIGHT ANGLE, PC THRU-HOLE,
.150" PITCH



E101J1V5BE2
Vertical Actuation
SPDT

NOTE: Terminal bend radii and lead-in manufacturing option.
Available actuators, see pages G-27 thru 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-27 thru G-29.

E Series Sealed Miniature Rocker and Lever Handle Switches

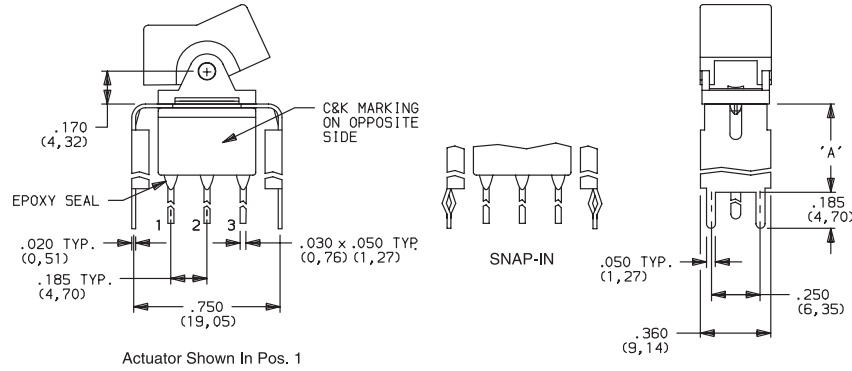
TERMINATIONS

V6, V7, V8 VERTICAL MOUNT, V-BRACKET

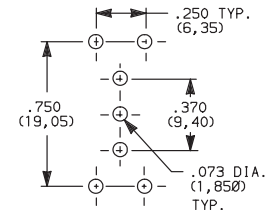
V21 VERTICAL MOUNT, V-BRACKET, SNAP-IN



E101J1_BE2
SPDT



PC MOUNTING



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

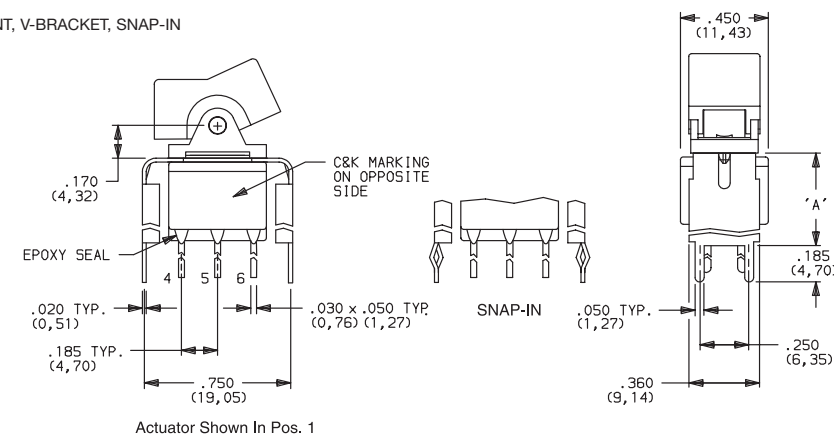
NOTE: Available actuators, see pages G-27 thru G-29.

V6, V7, V8 VERTICAL MOUNT, V-BRACKET

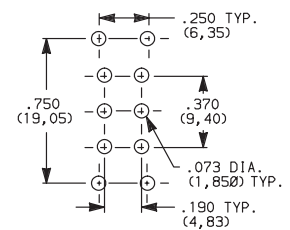
V21 VERTICAL MOUNT, V-BRACKET, SNAP-IN



E201J1_BE2
DPDT



PC MOUNTING



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

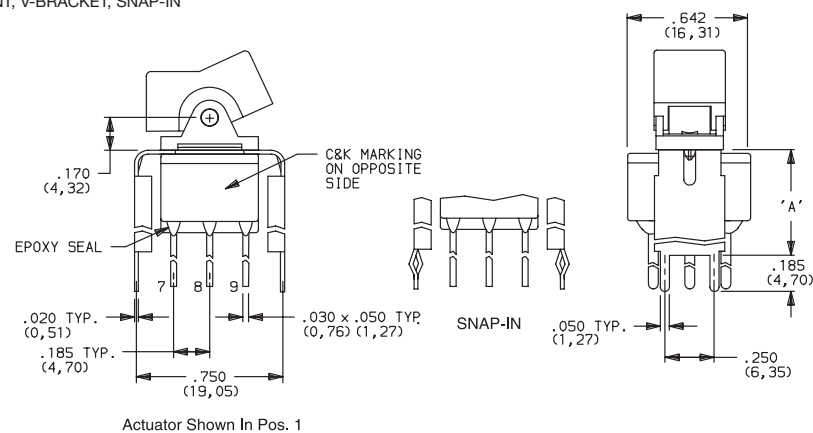
NOTE: Available actuators, see pages G-27 thru G-29.

V7, V8 VERTICAL MOUNT, V-BRACKET

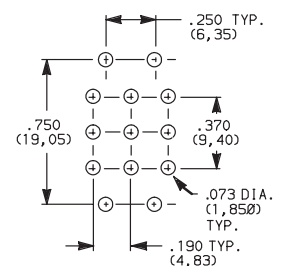
V21 VERTICAL MOUNT, V-BRACKET, SNAP-IN



E301J1_BE2
3PDT



PC MOUNTING



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

NOTE: Available actuators, see pages G-27 thru G-29.

Rocker



G

C&K



Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

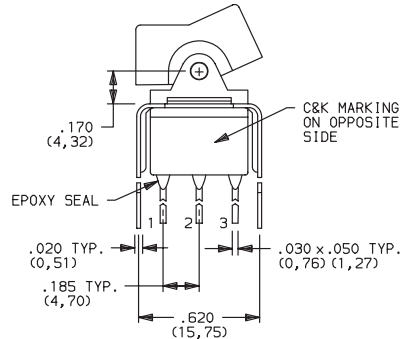
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E Series Sealed Miniature Rocker and Lever Handle Switches

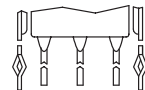
TERMINATIONS

V3, V4 VERTICAL MOUNT, V-BRACKET

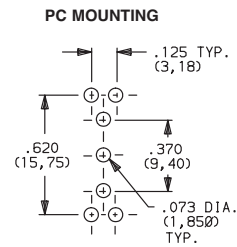
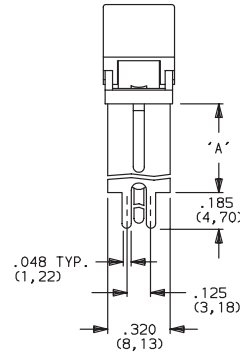
V31 VERTICAL MOUNT, V-BRACKET, SNAP-IN



Actuator Shown In Pos. 1



SNAP-IN



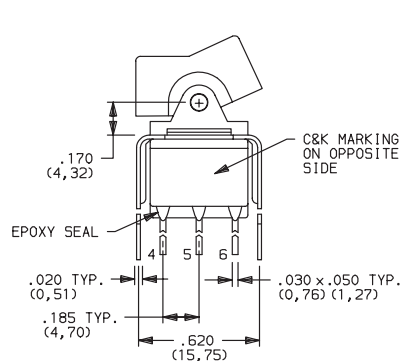
E101J1_BE2
SPDT

OPTION CODE	DIM 'A'
V3, V31	.460 (11,68)
V4	.630 (16,00)

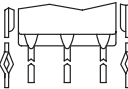
NOTE: Available actuators, see pages G-27 thru G-29.

V3, V4 VERTICAL MOUNT, V-BRACKET

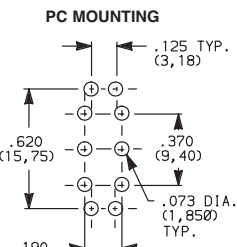
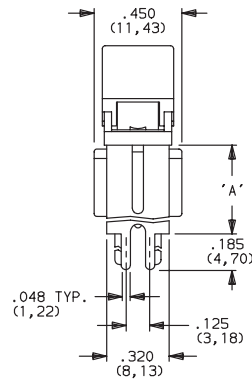
V31 VERTICAL MOUNT, V-BRACKET, SNAP-IN



Actuator Shown In Pos. 1



SNAP-IN



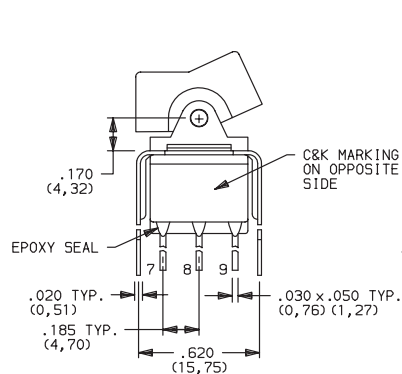
E201J1_BE2
DPDT

OPTION CODE	DIM 'A'
V3, V31	.460 (11,68)
V4	.630 (16,00)

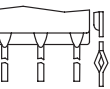
NOTE: Available actuators, see pages G-27 thru G-29.

V4 VERTICAL MOUNT, V-BRACKET

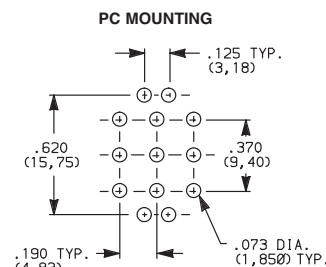
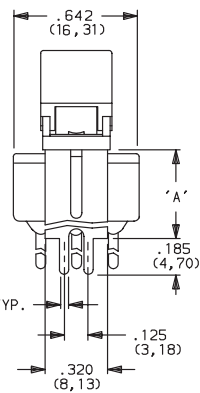
VERTICAL MOUNT, V-BRACKET, SNAP-IN



Actuator Shown In Pos. 1



SNAP-IN



E301J1_BE2
3PDT

OPTION CODE	DIM 'A'
V41	.630 (16,00)

NOTE: Available actuators, see pages G-27 thru G-29.



E Series

Sealed Miniature Rocker and Lever Handle 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 ⁷		
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 Q, B, G, S P & R contact material are RoHS compliant.

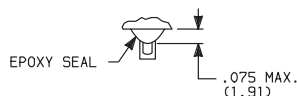
All models with all options when ordered with G, Q, S & R contact material.

B contact material standard with all terminations.

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

SEAL

E EPOXY SEAL



AVAILABLE HARDWARE

J2, J21 Actuators



PART NO.
760502263 BLACK
760503000 RED
Material: Nylon
Finish: Matte

J3 Actuator



PART NO.
766602263 BLACK
766603000 RED
Material: Nylon
Finish: Matte

J1, J11 Actuators



PART NO.
776A02263 BLACK
776A03000 RED
Material: Nylon
Finish: Matte

J50 Actuator



PART NO.
775A02263 BLACK
775A03000 RED
Material: Nylon
Finish: Matte

J60 Actuator



PART NO.
613802263 BLACK
598103000 RED
Material: Nylon
Finish: Matte

J90 Actuator



PART NO.
598002263 BLACK
598003000 RED
Material: Nylon
Finish: Matte

NOTE: Additional nuts, screws and lockwashers available separately, see Technical Data section of this catalog.
Other colors available, consult Customer Service Center.



Third Angle
Projection

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

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E Series Sealed Miniature Rocker and Lever Handle Switches

AVAILABLE HARDWARE

Fits Z3 Termination
female connector



PART NO.
530100000

Available in loose pieces.

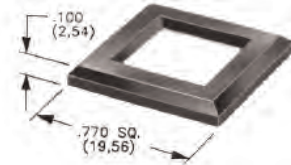
Frame for J11, J21 Actuators



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



J50, J60 & J90 Actuators



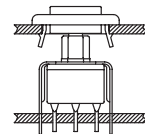
MATTE
PART NO.
486702000
Material: Nylon
Finish: Matte or Gloss

GLOSS
PART NO.
486802000 BLACK

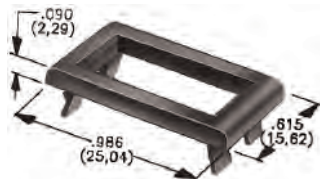
NOTE: Additional nuts, screws and lockwashers available separately, see Technical Data section of this catalog.
Other colors available, consult Customer Service Center.

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. 452902263 452903000	PART NO. 452702263 452703000	PART NO. 452802263 452803000	PART NO. 452602263 BLACK 452603000 RED

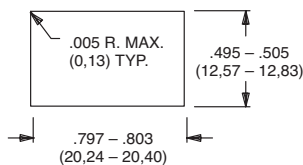
J50, J60 & J90 Actuators



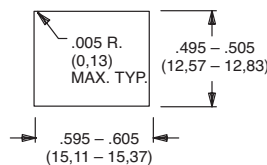
.047" (1,19) PANEL THK.	.062" (1,57) PANEL THK.	.090" (2,29) PANEL THK.	.125" (3,18) PANEL THK.
PART NO. 432502263 432503000	PART NO. 432602263 432603000	PART NO. 432702263 432703000	PART NO. 432802263 BLACK 432803000 RED

PANEL MOUNTING

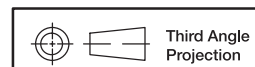
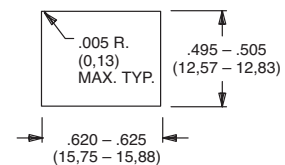
For part numbers
4529xxxxx, 4527xxxxx,
4528xxxxx, 4526xxxxx



For part numbers
4325xxxxx, 4326xxxxx



For part numbers
4327xxxxx, 4328xxxxx



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



E Series

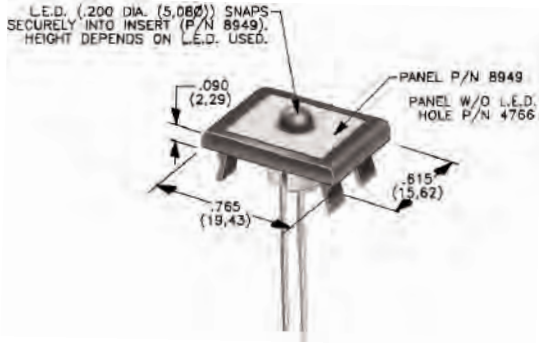
Sealed Miniature Rocker and Lever Handle Switches

AVAILABLE HARDWARE

Panel Inserts

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.**

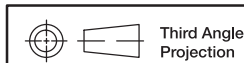
Will fit separate snap-in frames for J50, J60, J90 actuators.



PANEL INSERT WITH HOLE FOR LED	BLANK PANEL INSERT WITHOUT HOLE FOR LED
PART NO.	PART NO.
894902000	476602000 BLACK
894903000	476603000 RED

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

Rocker

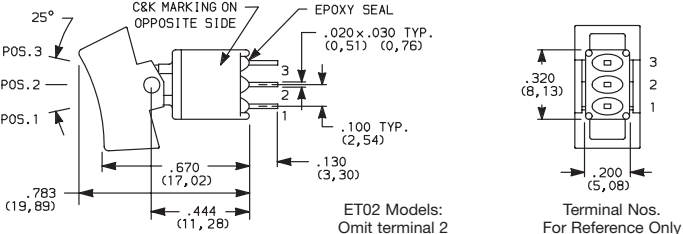
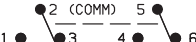
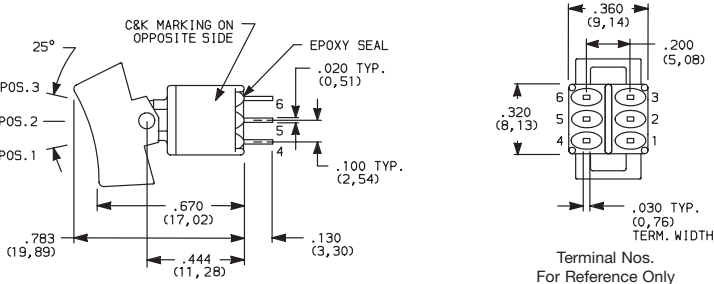


Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

G

ET Series
Sealed Subminiature Rocker Switches

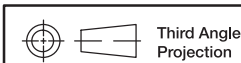
SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
								
SP	ET01	ON	NONE	ON	2-3	N/A	2-1	
	ET03	ON	OFF	ON				
	ET05	MOM.	OFF	MOM.				
	ET07	ON	OFF	MOM.				
	ET08	ON	NONE	MOM.	N/A			
	ET02	OFF	NONE	ON	OPEN	N/A	3-1	SPST 
SPDT 								
DP	ET21	ON	NONE	ON	2-3,5-6	N/A	2-1,5-4	
	ET27	ON	OFF	MOM.				
	ET28	ON	NONE	MOM.				
DPDT 								

MOM. = Momentary

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

Rocker



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

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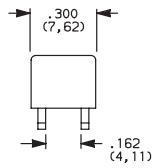
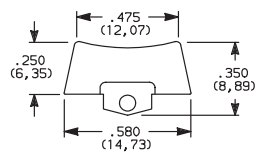
ET Series Sealed Subminiature Rocker Switches

ACTUATOR

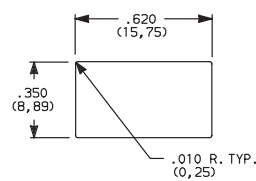
ACTUATOR COLOR

ACTUATOR

J1 ROCKER

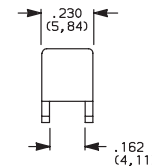
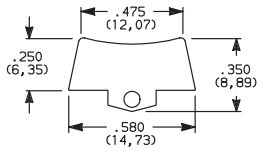


PANEL MOUNTING

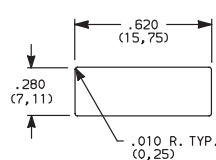


Available with all models except ET0X with A & SA & SA1 terminations.

J6 ROCKER



PANEL MOUNTING



Standard with ET0X model with A & SA & SA1 terminations.

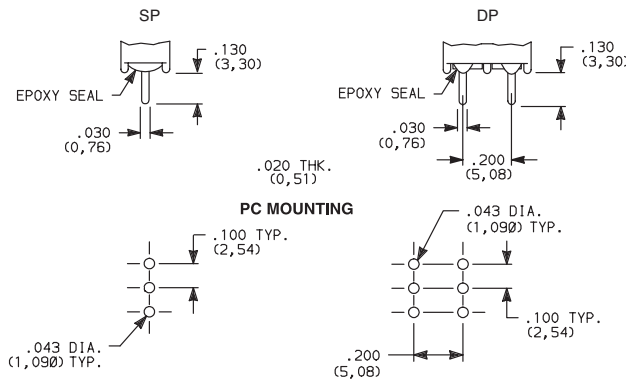
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

Actuators available separately, see page G-45. Finish: Matte. Other colors, custom actuator markings and legends available, consult Customer Service Center.

NOTE: Internal o-ring actuator seal standard.

TERMINATIONS

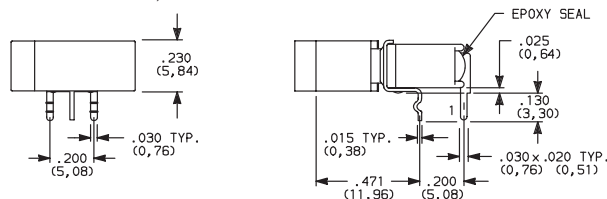
C PC THRU-HOLE



ET02 Models: Omit center hole.

SP & DP

A RIGHT ANGLE, PC THRU-HOLE

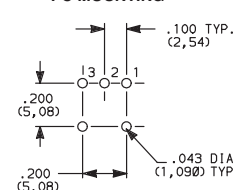


Actuator Shown In Pos. 1

Not available with ET02 model.

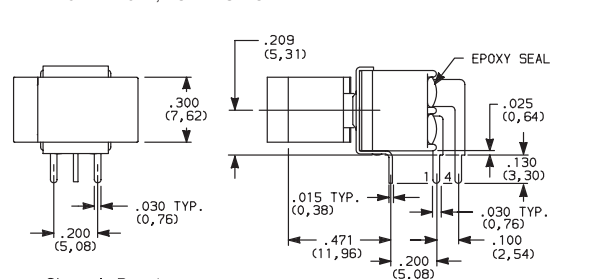
J6 actuator std. only on ET0X models with A terminations.

PC MOUNTING



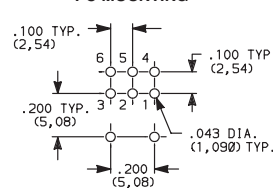
ET01J6ABE2
Horizontal Actuation
SPDT

A RIGHT ANGLE, PC THRU-HOLE



Actuator Shown In Pos. 1

PC MOUNTING



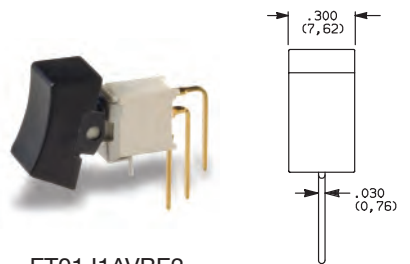
ET21J1ABE2
Horizontal Actuation
DPDT



ET Series Sealed Subminiature Rocker Switches

TERMINATIONS

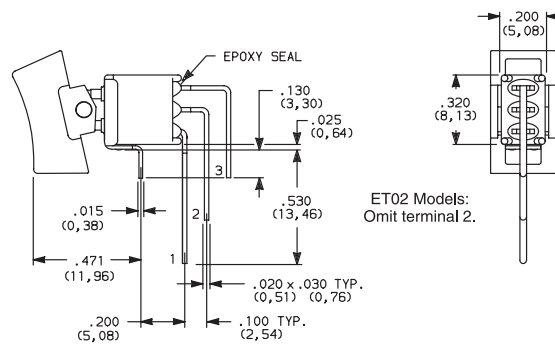
AV VERTICAL RIGHT ANGLE, PC THRU-HOLE



ET01J1AVBE2
Vertical Actuation
SPDT

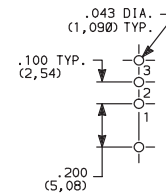
Actuator Shown In Pos. 1

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

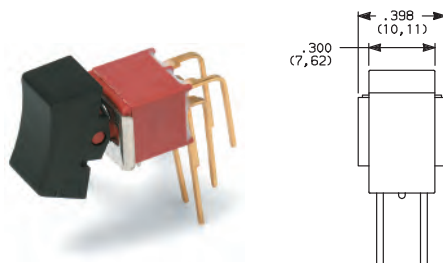


ET02 Models:
Omit terminal 2.

PC MOUNTING



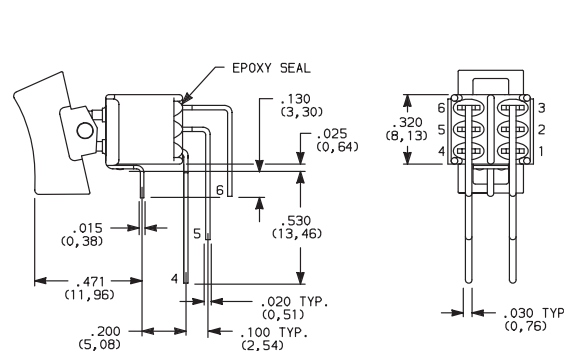
AV VERTICAL RIGHT ANGLE, PC THRU-HOLE



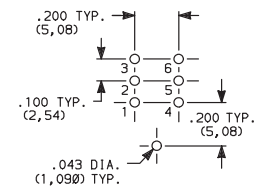
ET21J1AVBE2
Vertical Actuation
DPDT

Actuator Shown In Pos. 1

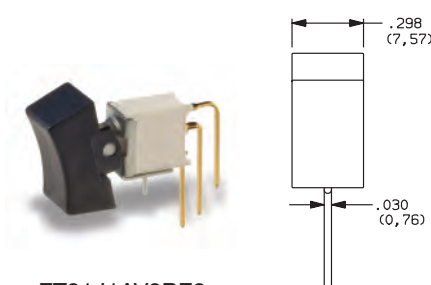
NOTE: Terminal bend radii and lead-in manufacturing option.



PC MOUNTING

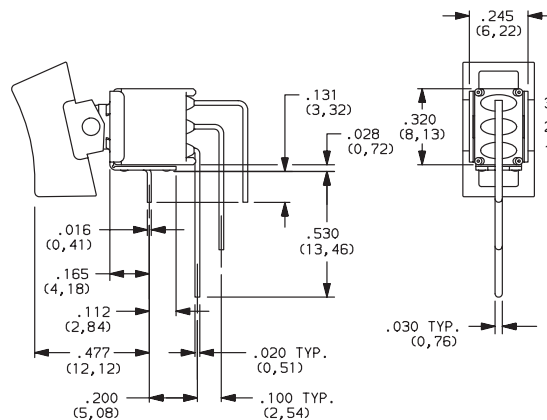


AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE

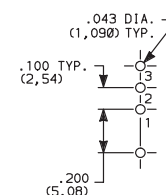


ET01J1AV2BE2
Vertical Actuation
SPDT

SPDT



PC MOUNTING



Rocker



G

C&K



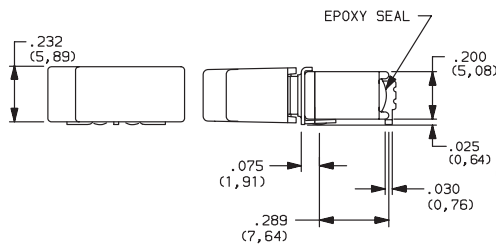
Third Angle Projection

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

ET Series Sealed Subminiature Rocker Switches

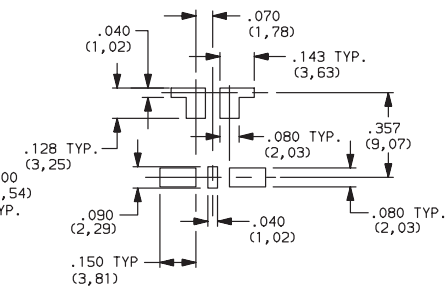
TERMINATIONS

SA RIGHT ANGLE, SURFACE MOUNT



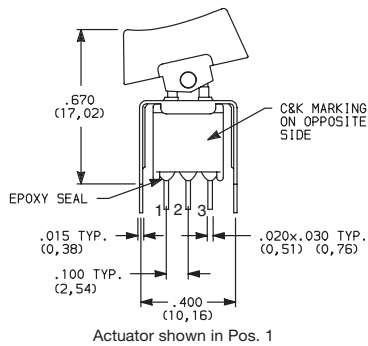
NOTE: Standard with tape & reel packaging, see page G-44.
Available with P contact material only.

PANEL MOUNTING

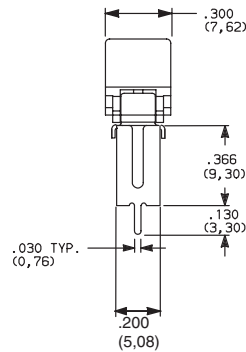


ET01J6SAPE2
Horizontal Actuation
SPDT

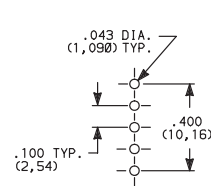
V3 VERTICAL MOUNT, V-BRACKET



Actuator shown in Pos. 1

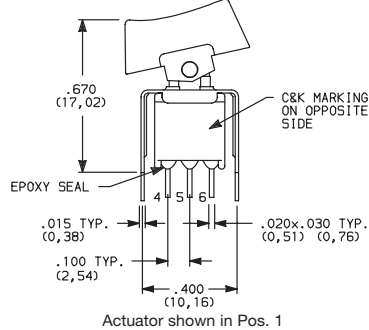


PC MOUNTING

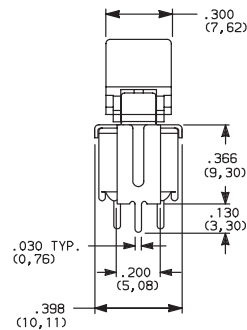


ET01J1V3BE2
SPDT

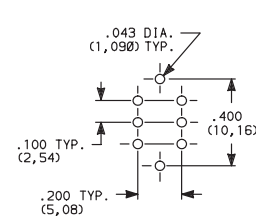
V3 VERTICAL MOUNT, V-BRACKET



Actuator shown in Pos. 1



PC MOUNTING



ET21J1V3BE2
DPDT

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	ETX1 MODELS: 3 AMPS @ 120 V AC OR 28 V DC. ALL OTHER MODELS: 2 AMPS @ 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	ETX1 MODELS: 0.4 VA MAX @ 20 V AC OR DC MAX. OR 3 AMPS @ 120 V AC OR 28 V DC. ALL OTHER MODELS: 0.4 VA MAX @ 20 V AC OR DC MAX. OR 2 AMPS @ 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.

² END CONTACTS: Coin silver, with gold plate over nickel plate.

³ CENTER CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.

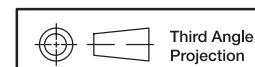
⁴ END CONTACTS: Coin silver, silver plated.

⁵ CENTER CONTACT & ALL TERMINALS: Copper alloy, silver plated.

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

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

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



Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

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Rocker



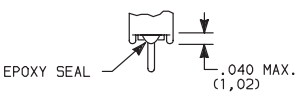
G

ET Series

Sealed Subminiature Rocker Switches

SEAL 

E EPOXY SEAL



AVAILABLE HARDWARE

J1 Actuator



PART NO.
261A01000 WHITE
261A02263 BLACK
261A03000 RED
Material: Nylon
Finish: Matte
NOT AVAILABLE WITH A, SA, SA1

J6 Actuator



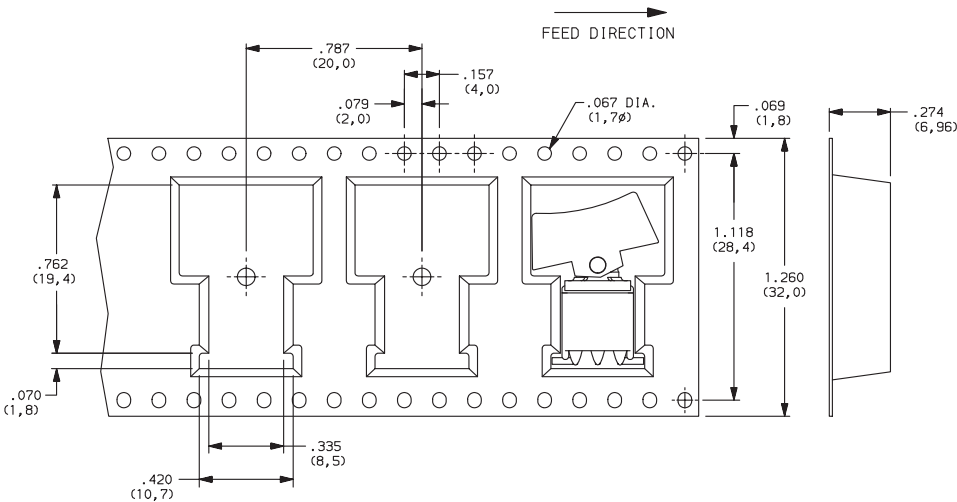
PART NO.
621C01000 WHITE
621C02263 BLACK
621C03000 RED
Material: Nylon
Finish: Matte
For Hi Temp, Consult Factory

NOTE: Other colors available,
consult Customer Service Center.

TAPE & REEL SA TERMINATION

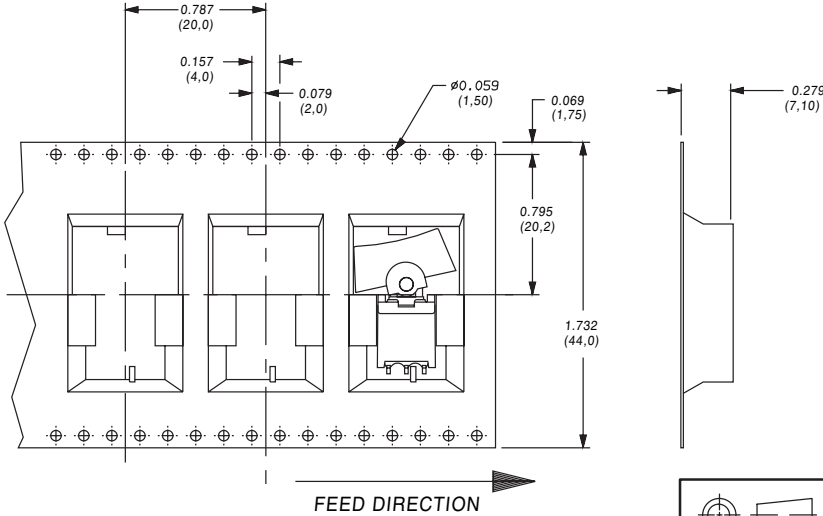
ET01J6SABE (SHOWN)

REEL INFORMATION	
OUTSIDE DIAMETER	13.00 (330,0)
PILOT HOLE	.512 (13,0)
QUANTITY PER REEL	500



ET01J6SA1BE (SHOWN)

REEL INFORMATION	
OUTSIDE DIAMETER	13.00 (330,0)
PILOT HOLE	.795 (20,20)
QUANTITY PER REEL	450



Rocker



G

C&K



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

T Series

Subminiature Rocker Switches

Features/Benefits

- **Compact size—small footprint**
- **Single and double pole models**
- **PC and panel mounting options available**
- **RoHS compliant**
- **Telecommunications**
- **Instrumentation**
- **Medical Equipment**



Models Available

Specifications

CONTACT RATING: Q contact material (TX01 models): 3 AMPS @ 120 V AC or 28 V DC. All other models: 2 AMPS @ 120 V AC or 28 V DC. See page G-49 for additional ratings.

ELECTRICAL LIFE: TX01 models: 60,000 make-and-break cycles at full load. All other models: 30,000 cycles.

CONTACT RESISTANCE: Below 20 m Ω typ. initial @ 2–4 V DC, 100 mA, for both silver and gold plated contacts.

INSULATION RESISTANCE: 10⁹ Ω min.

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).

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

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Materials

CASE: Glass filled nylon 6/6, flame retardant, heat stabilized or diallyl phthalate (DAP), (UL 94V-0) or glass filled nylon 4/6, flame retardant, heat stabilized.

ACTUATOR: Nylon, black standard.

BUSHING: Brass, nickel plated.

HOUSING: Stainless steel.

SWITCH SUPPORT: Brass, matte-tin plated.

MOUNTING BRACKET: Stainless steel.

END CONTACTS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Coin silver, silver plated. See page G-49 for additional contact materials.

CENTER CONTACTS & TERMINALS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Copper alloy, silver plated. See page G-49 for additional contact materials.

TERMINAL SEAL: Epoxy.

HARDWARE: Nut, Screws & Lockwasher: Stainless steel. Standoff: Nylon standard.

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-46 through G-50. For additional options not shown in catalog, consult Customer Service Center. All models have epoxy terminal seal and are compatible with all “bottom-wash” PCB cleaning methods.

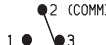
Switch Function	Actuator	Terminations	Contact Material	Seal	Actuator Color
T101 SP On-None-On	J1 Rocker, .300" wide	A Right angle, PC thru-hole	B Gold	E Epoxy	2 Black
T102 SP Off-None-On	J6 Rocker, .230" wide	AV Vertical Right angle, PC thru-hole	P Gold, matte-tin		
T103 SP On-Off-On		Z Solder lug	Q Silver		
T105 SP Mom.-Off-Mom.		V3 V-bracket	G Gold over silver		
T107 SP On-Off-Mom.			R Gold over silver, matte-tin		
T201 DP On-None-On					
T205 DP Mom.-Off-Mom.					



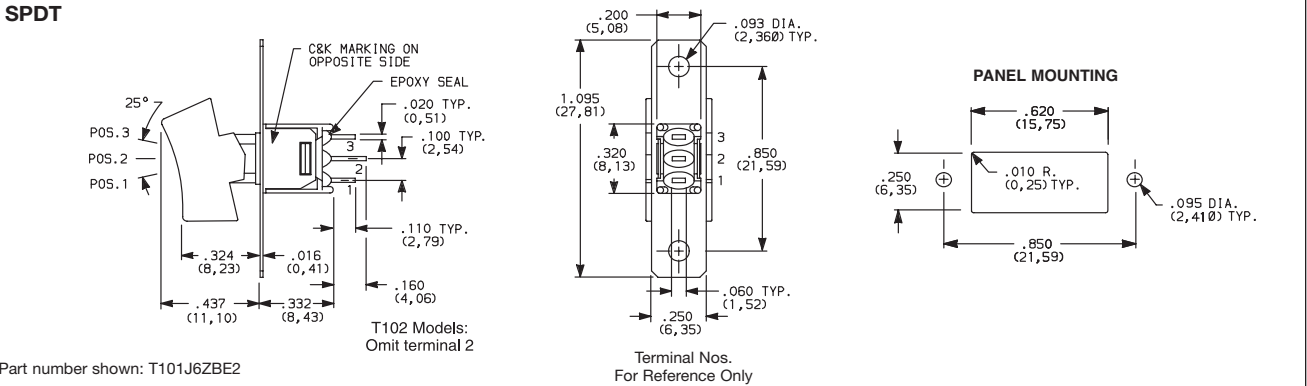
T Series Subminiature Rocker Switches

SWITCH FUNCTION

ACTUATOR COLOR

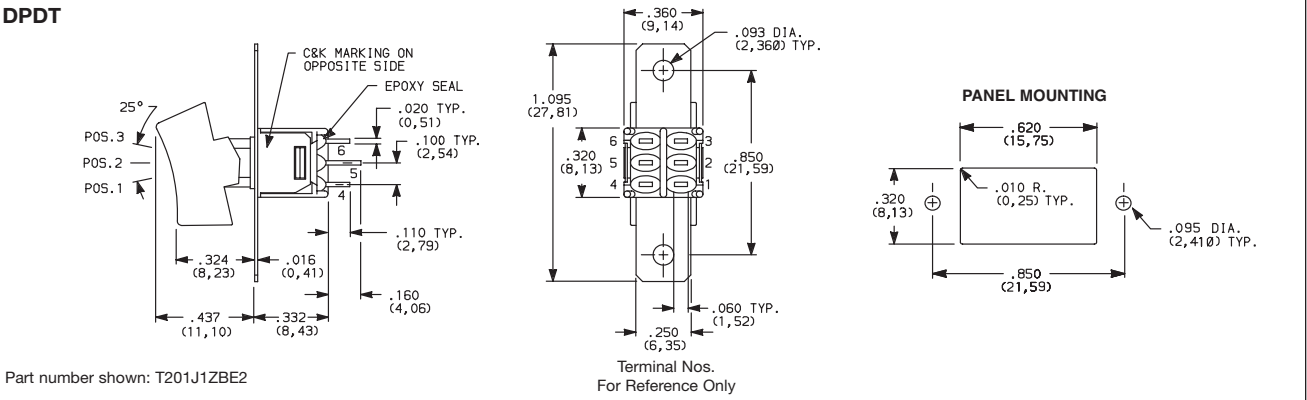
NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
								
		C&K marking on opposite side			C&K marking on opposite side			
SP	T101	ON	NONE	ON	2-3	N/A	2-1	
	T103	ON	OFF	ON		OPEN		
	T105	MOM.	OFF	MOM.				SPDT
	T107	ON	OFF	MOM.	OPEN	N/A	3-1	
	T102	OFF	NONE	ON				

SPDT



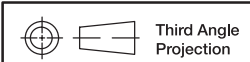
DP	T201	ON	NONE	ON	2-3,5-6	N/A	2-1,5-4	
	T205	MOM.	OFF	MOM.		OPEN		

DPDT



MOM. = Momentary
 All models with all options when ordered with G, Q or R contact material.

Rocker

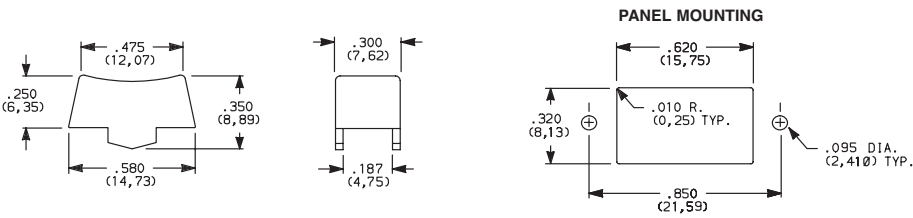


Dimensions are shown: Inches (mm)
 Specifications and dimensions subject to change

T Series Subminiature Rocker Switches

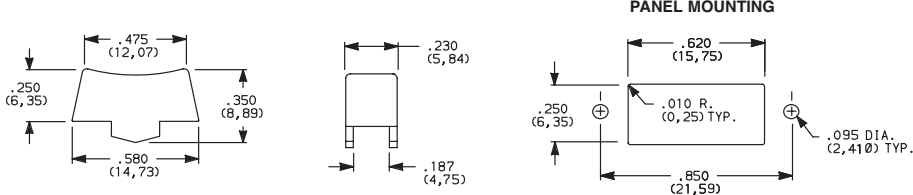
ACTUATOR

J1 ROCKER, .300 WIDE



Standard with all models except T10X with A terminations.

J6 ROCKER, .230 WIDE



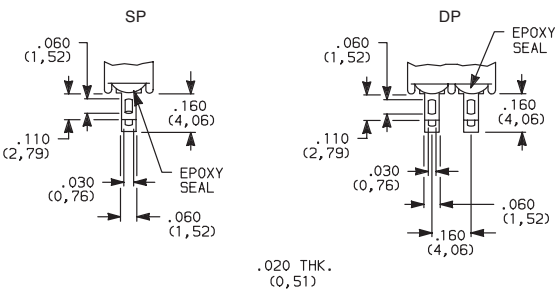
Standard with T10X model with A terminations.

OPTION CODE	ACTUATOR COLOR
2	BLACK

Actuators available separately, see page G 50. Finish: Matte. Other colors, custom actuator markings and legends available, consult Customer Service Center.

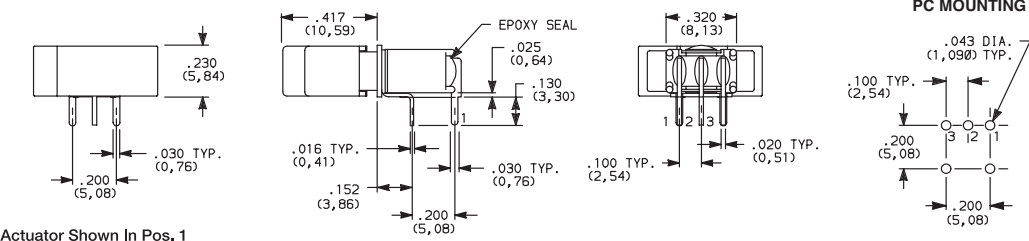
TERMINATIONS

Z SOLDER LUG



SP and DP Not available with P or R contact material.

A RIGHT ANGLE, PC THRU-HOLE

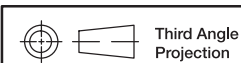


Actuator Shown In Pos. 1



T101J6ABE2
Horizontal Actuation
SPDT

Not available with T102 model. J6 actuator standard only on T10X models with A terminations.



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



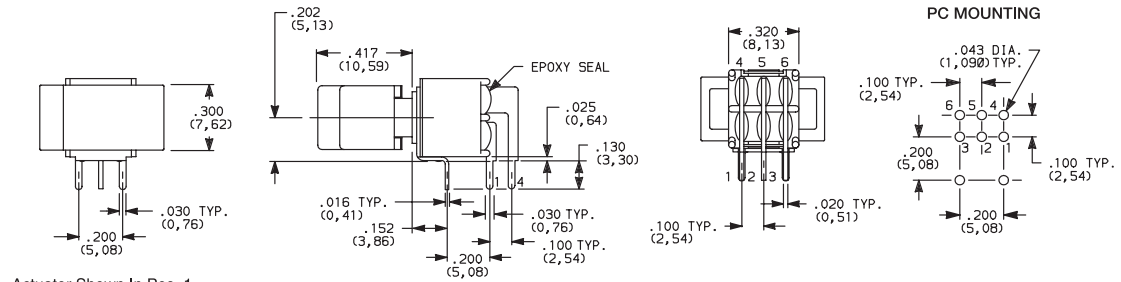
T Series Subminiature Rocker Switches

TERMINATIONS

A RIGHT ANGLE, PC THRU-HOLE



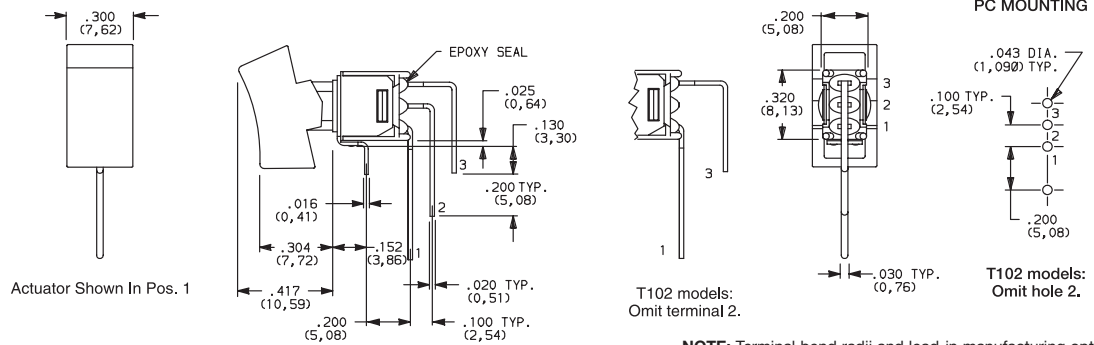
T201J1ABE2
Horizontal Actuation
DPDT



AV VERTICAL RIGHT ANGLE, PC THRU-HOLE



T101J1AVBE2
Vertical Actuation
SPDT

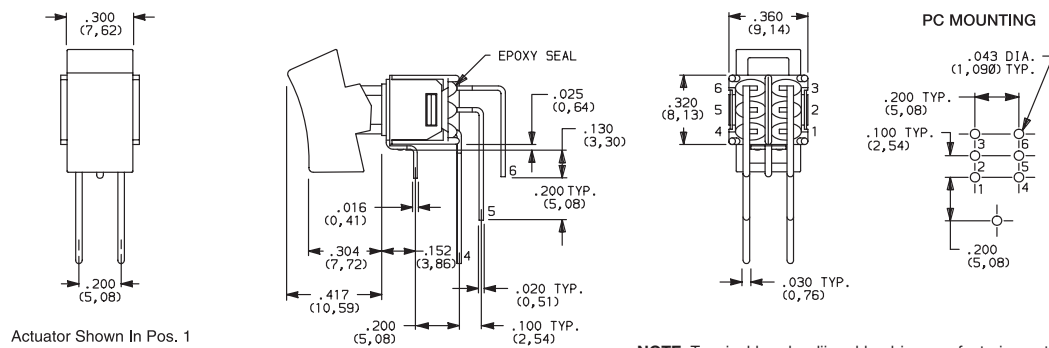


NOTE: Terminal bend radii and lead-in manufacturing option.

AV VERTICAL RIGHT ANGLE, PC THRU-HOLE



T201J1AVBE2
Vertical Actuation
DPDT

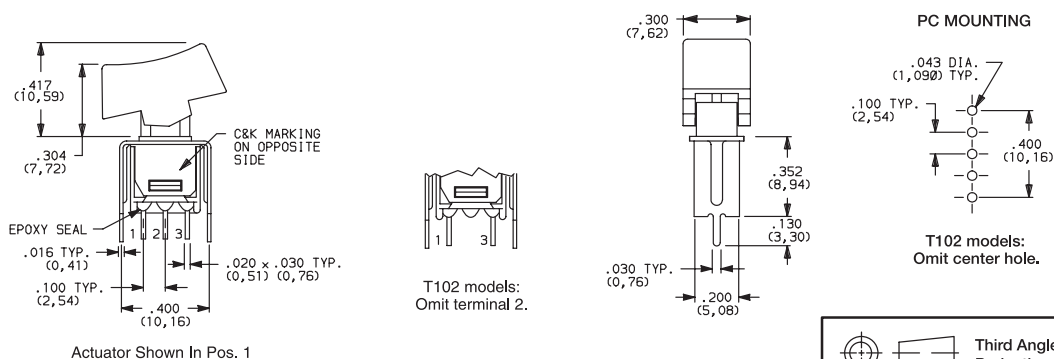


NOTE: Terminal bend radii and lead-in manufacturing option.

V3 VERTICAL MOUNT, V-BRACKET



T101J1V3BE2
SPDT



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

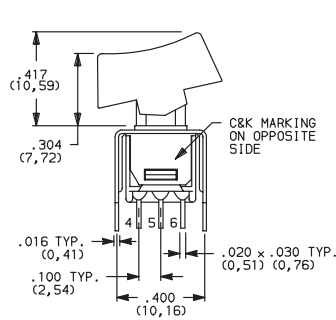
www.ck-components.com



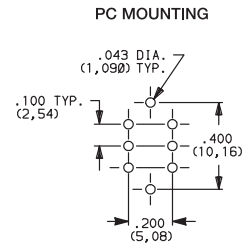
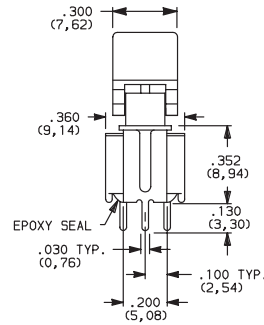
T Series Subminiature Rocker Switches

TERMINATIONS

V3 VERTICAL MOUNT, V-BRACKET



Actuator Shown In Pos. 1



T201J1V3BE2
DPDT

CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
B	GOLD ³	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	TX01 MODELS: 3 AMPS @ 120 V AC OR 28 V DC. ALL OTHER MODELS: 2 AMPS @ 120 V AC OR 28 V DC.
G	GOLD OVER SILVER ^{2,3}	GOLD ³	LOW LEVEL/DRY CIRCUIT OR POWER	TX01 MODELS: 0.4 VA MAX @ 20 V AC OR DC MAX. OR 3 AMPS @ 120 V AC OR 28 V DC. ALL OTHER MODELS: 0.4 VA MAX @ 20 V AC OR DC MAX. OR 2 AMPS @ 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.
- 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 matte-tin over nickel plate.

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

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

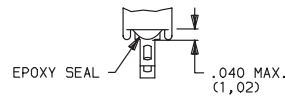
B contact material standard with A, AV, V3 terminations.

Q contact material standard with C & Z terminations.

P & R contact materials not available with Z terminations.

SEAL

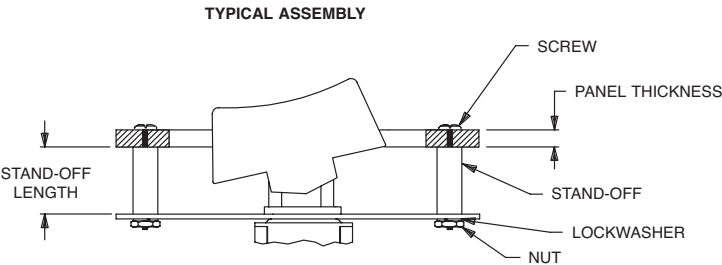
E EPOXY SEAL



T Series Subminiature Rocker Switches

AVAILABLE HARDWARE

Panel mounting hardware for rocker and lever handle switches is available separately. Mounting hardware consists of two screws, two nuts, two standoffs and two lockwashers per switch, and is available for panel thicknesses of 1/16, 3/32 and 1/8 inch. See part numbers below.



PART NO.	PANEL THK.	STANDOFF LENGTH
761101000	1/16 IN. (1,59)	.295 (7,49)
761102000	3/32 IN. (2,38)	.264 (6,71)
761103000	1/8 IN. (3,18)	.233 (5,92)

NOTE: Additional nuts, screws and lockwashers available separately, see Technical Data section of this catalog.

J1 Actuator



PART NO.
468002263 BLACK

Material: Nylon
Finish: Matte

J6 Actuator

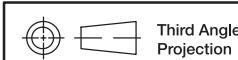


PART NO.
468102263 BLACK

Material: Nylon
Finish: Matte

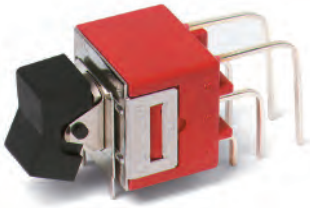
NOTE: Other colors, custom actuator markings and legends available, consult Customer Service Center.

Rocker



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

9000 Series Power Rocker and Lever Handle Switches



Features/Benefits

- **Thermoset UL 94V-0 housing**
- **Rugged construction**
- **Variety of actuator and termination options**
- **RoHS compliant**

Typical Applications

- **Small equipment**
- **Shut-off switch**

UL 61058-1



Specifications

CONTACT RATING:

9201 Model:

- GP (general purpose)
- 6 AMPS 125 VAC 50/60 Hz T85 10,000 cycles (10E3)
- 3 AMPS 250 VAC 50/60 Hz T85 10,000 cycles
- R (resistive)
- 6 AMPS 30 VDC T85 10,000 cycles

9221 Model:

- GP (general purpose)
- 10 AMPS 125 VAC 50/60 Hz T85 10,000 cycles
- 5 AMPS 250 VAC 50/60 Hz T85 10,000 cycles
- R (resistive)
- 10 AMPS 30 VDC T85 10,000 cycles

ELECTRICAL LIFE: 25,000 make-and-break cycles at full load.

CONTACT RESISTANCE: Below 10 m Ω typ. initial @ 2-4 V DC, 100 mA.

INSULATION RESISTANCE: 10⁹ Ω min.

DIELECTRIC STRENGTH: 2,500 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: Diallyl phthalate (DAP) (UL 94V-0).

ACTUATOR: Nylon, black standard.

FRAME-REAR MOUNT OPTIONS: Spring steel, black.

BUSHING: Brass, nickel plated.

HOUSING: Stainless steel.

SWITCH SUPPORT: Brass or steel, matte-tin plated.

MOUNTING BRACKET: Stainless steel.

END CONTACTS: 9201 Model: Coin silver, silver plated.

9221 Model: Silver cadmium oxide.

CENTER CONTACTS: Copper alloy, silver plated

ALL TERMINALS: 9201 Model: Copper alloy, silver plated.

9221 Model: Copper alloy, matte-tin plated.

TERMINAL SEAL: Epoxy.

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

*Cadmium used in electrical contacts is acceptable for RoHS.

NOTE: Any models supplied with Q contact material are RoHS compliant.

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-52 through G-55. For additional options not shown in catalog, consult Customer Service Center.



Switch Function

- 9201** DP On-On, 6 Amps
- 9221** DP On-On, 10 Amps

Actuator

- J1** Rocker
- J2** Lever
- J3** Rocker
- J37** Rocker with metal frame

Terminations

- Z** Solder lug (9201 only)
- AV2** Vertical right angle, PC thru-hole (9201 only)
- C** PC Thru-hole (9201 only)
- Z4** Quick connect

Contact Material

- Q** Silver

Seal

- E** Epoxy
- D** No Seal

Actuator Color

- 2** Black
- 1** White
- 3** Red

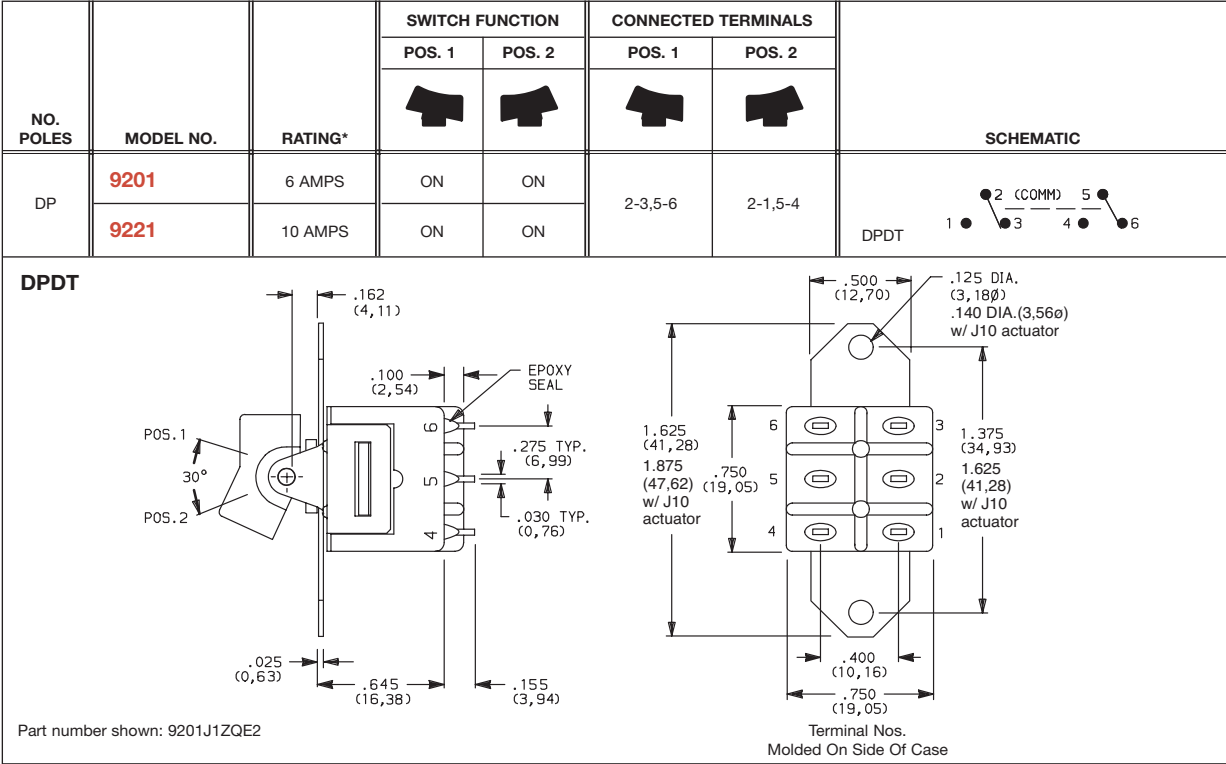
Frame Color

- 2** Black
- NONE** No frame color required



9000 Series Power Rocker and Lever Handle Switches

SWITCH FUNCTION



All 9000 Series models meet international dimensional and electrical requirements.

* See CONTACT MATERIAL, page G-54, for complete ratings.

9221 model must be ordered with Z4 terminations and D seal option.

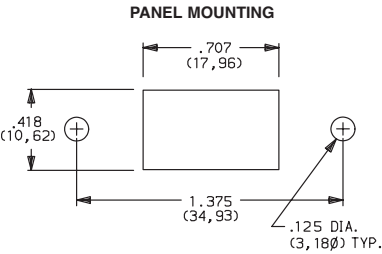
ACTUATOR-PANEL MOUNT

ACTUATOR COLOR

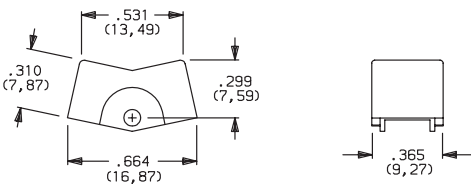
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

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

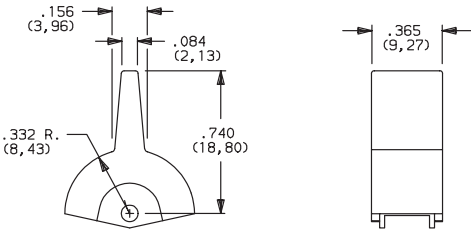
NOTE: Hardware: two each—mounting screws, nuts, lockwashers and standoffs for 1/8 inch thick panel are supplied standard on all switches with panel mounting brackets. Actuators available separately, see page G-55. Hardware available separately, see Technical Data section of this catalog.



J1 ROCKER



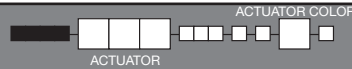
J2 LEVER



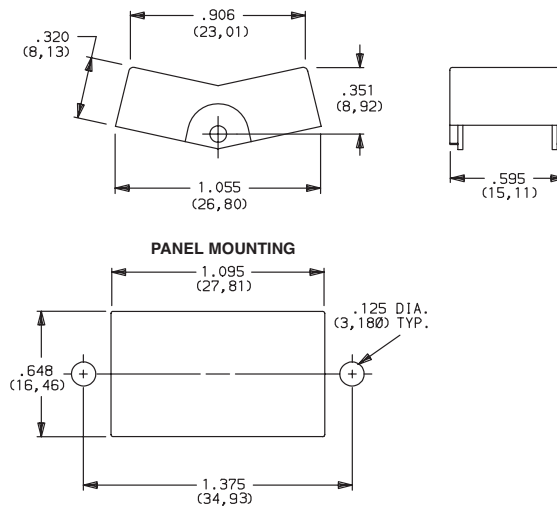
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

9000 Series Power Rocker and Lever Handle Switches

ACTUATOR-PANEL MOUNT



J3 ROCKER

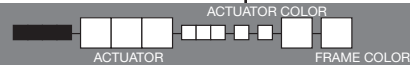


OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

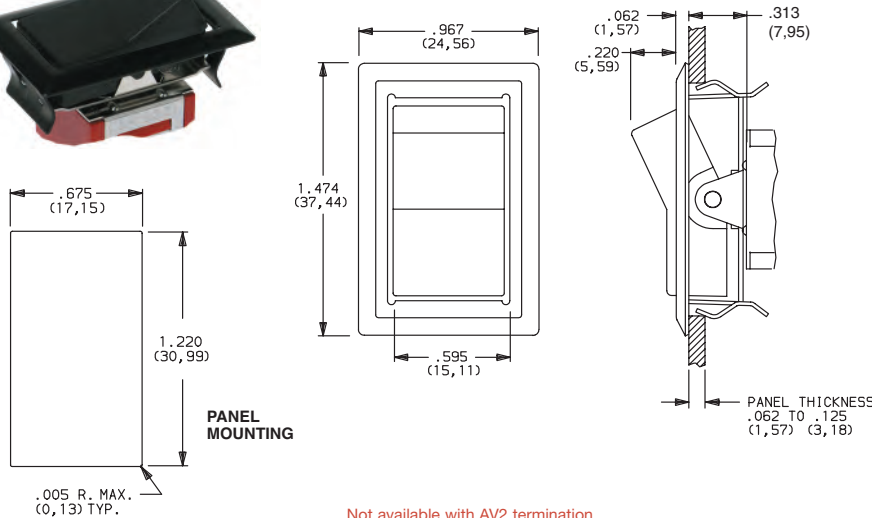
Actuator finish: Matte. Other colors, custom actuator markings and legends available, consult Customer Service Center.

NOTE: Actuators available separately, see page G-55. Hardware: two each—mounting screws, nuts, lockwashers and standoffs for 1/8 inch thick panel are supplied standard on all switches with panel mounting brackets. Hardware available separately, see Technical Data section of this catalog.

ACTUATOR-REAR MOUNT



J37 ROCKER WITH METAL FRAME



OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

OPTION CODE	FRAME COLOR
2	BLACK

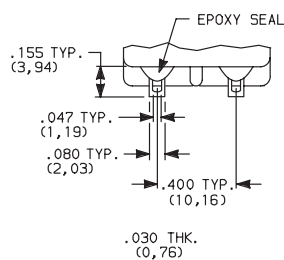
Actuator finish: Matte. Frame finish: Gloss. Other colors, custom actuator markings and legends available, consult Customer Service Center.

NOTE: Actuators & frames available separately, see page G-55. Hardware: two each—mounting screws, nuts, lockwashers and standoffs for 1/8 inch thick panel are supplied standard on all switches with panel mounting brackets. Hardware available separately, see Technical Data section of this catalog.

TERMINATIONS

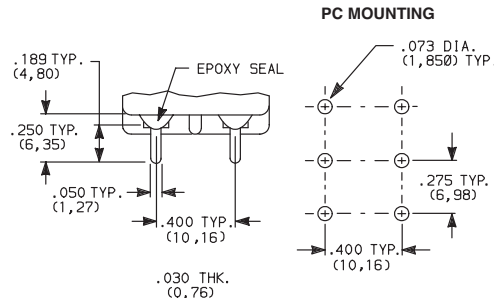


Z SOLDER LUG



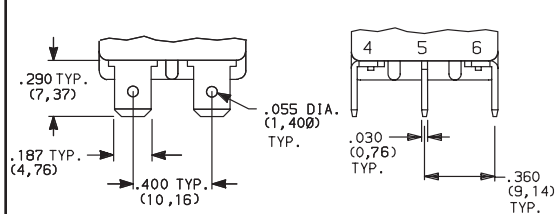
9201 Only

C PC THRU-HOLE



9201 Only

Z4 QUICK CONNECT



9201 and 9221

NOTE: Only termination available with 9221 model. Must be ordered with D seal option. Mating terminal standard Nema .187" quick connect.



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

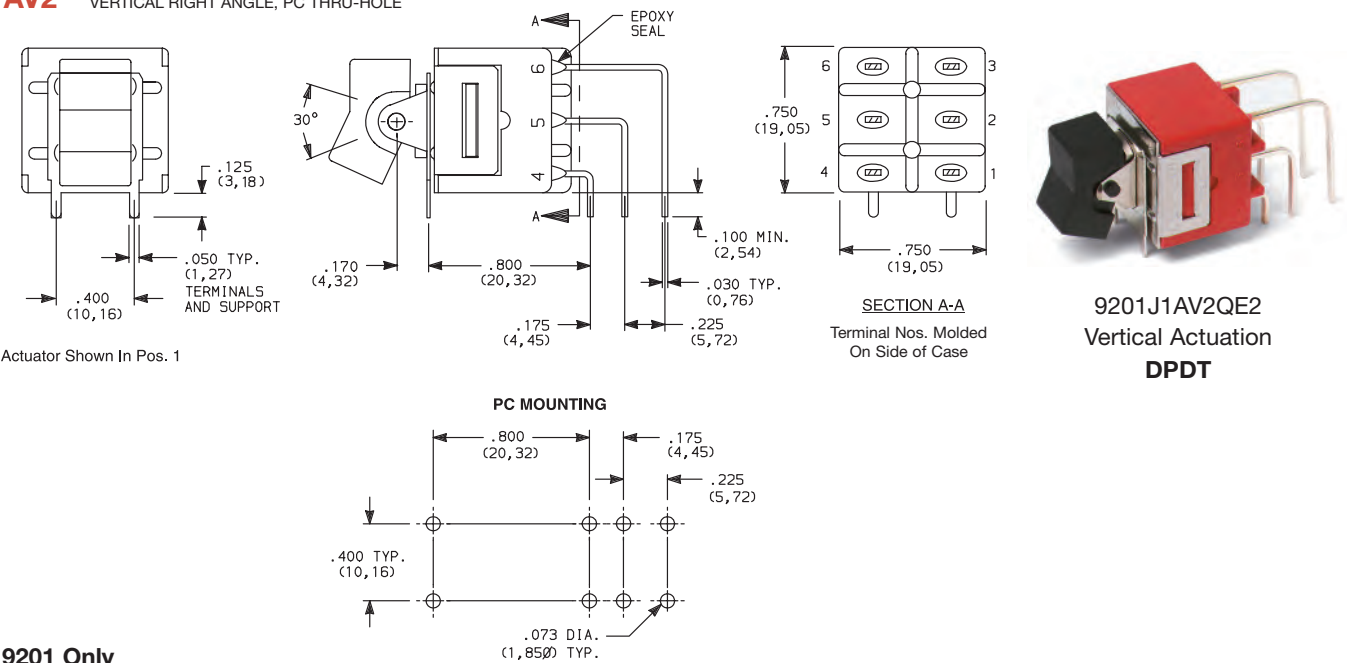
C&K



9000 Series
Power Rocker and Lever Handle Switches

TERMINATIONS

AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE



9201 Only
NOTE: Terminal bend radii and lead-in manufacturing option.
Terminal spacing greater than 3mm at all points.

CONTACT MATERIAL

Table with 5 columns: OPTION CODE, MODEL, CONTACT MATERIAL, TERMINAL PLATING, RATINGS. It details specifications for models 9201 and 9221 with contact materials like Silver and Silver Cadmium Oxide.

* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.
1 END CONTACTS: Coin silver, silver plated.
2 CENTER CONTACTS & ALL TERMINALS: Copper alloy, silver plated.
3 END CONTACTS: Silver cadmium oxide.
4 CENTER CONTACTS: Copper alloy, silver plated.
5 Z4 TERMINALS ONLY: Copper alloy, tin plated.
6 Cadmium used for electrical contacts is acceptable for RoHS.

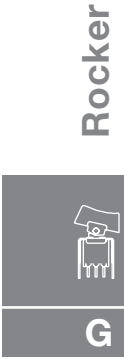
NOTE: Any models supplied with Q contact material is RoHS compliant.
9221 model must be ordered with Z4 terminations and D seal option.
All 9000 Series models meet international dimensional and electrical requirements.

SEAL

E EPOXY SEAL
D NO EPOXY SEAL



Not available with 9221 model or Z4 terminations.
Must be ordered with 9221 model and Z4 termination.

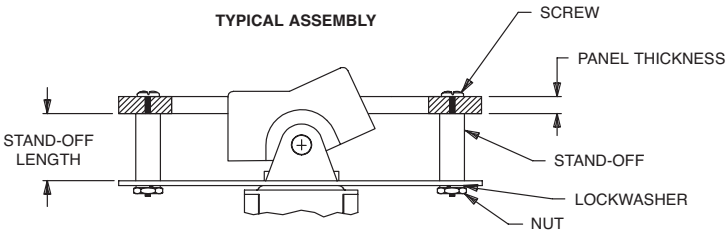


Third Angle Projection
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

9000 Series Power Rocker and Lever Handle Switches

AVAILABLE HARDWARE

Panel mounting hardware for rocker and lever handle switches is available separately. Mounting hardware consists of two screws, two nuts, two standoffs and two lockwashers per switch, and is available for panel thicknesses of 1/16, 3/32 and 1/8 inch. See part numbers below.



J1 & J2 actuators

PART NO.	PANEL THK.	STANDOFF LENGTH
761101000	1/16 IN. (1,59)	.295 (7,49)
761102000	3/32 IN. (2,38)	.264 (6,71)
761103000	1/8 IN. (3,18)	.233 (5,92)

J1 Actuator  PART NO. 776A01000 WHITE 776A02263 BLACK 776A03000 RED Material: Nylon Finish: Matte	J2 Actuator  PART NO. 760501000 WHITE 760502263 BLACK 760503000 RED Material: Nylon Finish: Matte	J3, J37 Actuators  PART NO. 766601000 WHITE 766602263 BLACK 766603000 RED Material: Nylon Finish: Matte
Frame for J37 Actuators  PART NO. 445400746 BLACK ENAMEL 445400747 WHITE ENAMEL Material: Spring Steel	NOTE: Additional nuts, screws and lockwashers available separately, see Technical Data section of this catalog. Other colors available, consult Customer Service Center.	



SWITCH FUNCTION

ACTUATOR

Rocker

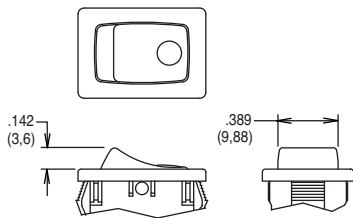


G

DA Series
Miniature Single Pole Rocker Switches

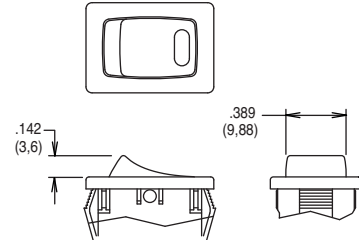
ACTUATOR

J4 CIRCLE, ILLUMINATED ROCKER



NOTE: Available with DA102 switch function and 7 & 8 lamp ratings combinations only. Not available with O2 and A termination options.

J5 OVAL, ILLUMINATED ROCKER

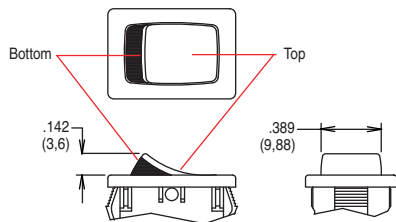


NOTE: Available with DA102 switch function and 6 lamp rating combinations only. Not available with O2 and A termination options.

ACTUATOR COLOR

	OPTION CODE	ACTUATOR COLOR
J1only	2	BLACK
	1	WHITE
	3	RED
J3, J4, J5 only	R	RED, ILLUMINATED
	A	AMBER, ILLUMINATED
	G	GREEN, ILLUMINATED

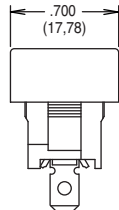
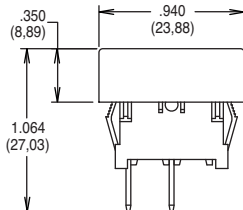
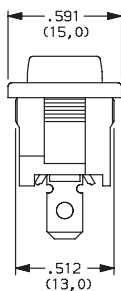
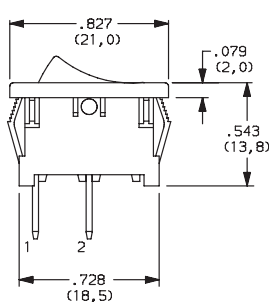
	OPTION CODE	ACTUATOR COLOR	
		TOP	BOTTOM
J2 only	1	WHITE	RED
	2	WHITE	BLACK
	3	RED	WHITE
	4	BLACK	WHITE
	5	BLACK	RED



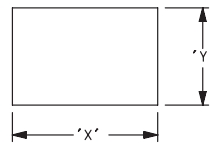
MOUNTING STYLE/COLOR

S2 SNAP-IN, BLACK
S1 SNAP-IN, WHITE

G2 GUARD, BLACK



S2, S1 & G2 PANEL MOUNTING

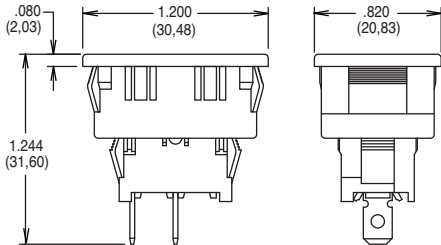


PANEL THICKNESS	"X"	"Y"
0.030-0.049 (0,75-1,25)	0.756-.004 (19,2-0,1)	0.512+.004 (13,0+0,1)
0.049-0.079 (1,25-2,0)	0.764-.004 (19,4-0,1)	0.512+.004 (13,0+0,1)
0.079-0.118 (2,0-3,0)	0.779-.004 (19,8-0,1)	0.512+.004 (13,0+0,1)

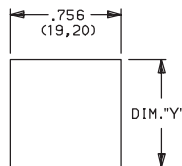
NOTE: Available with DA10X switch functions only.

Actuator shown in Pos. 1

B2 RECESSED SNAP-IN BRACKET, BLACK



B2 PANEL MOUNTING



PANEL THICKNESS	"Y"
0.030-0.049 (0,75-0,25)	1.068 (27,13)
0.049-0.079 (1,25-2,0)	1.076 (27,33)
0.079-0.118 (2,0-3,0)	1.092 (27,74)

NOTE: Available with DA10X switch functions only.

Rocker



G



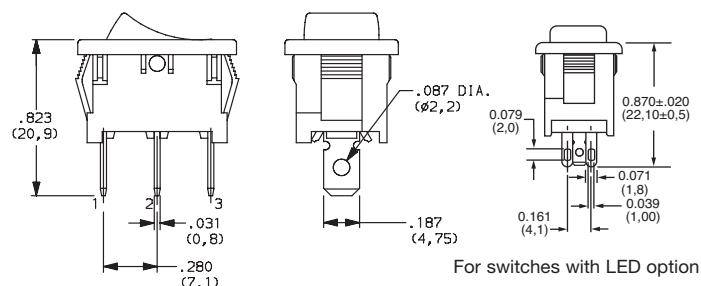
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

www.ck-components.com

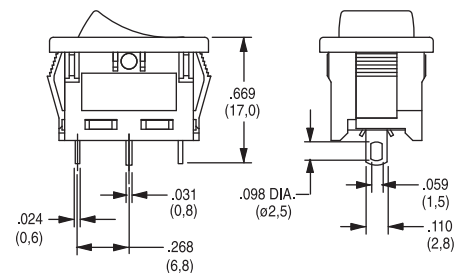
DA Series Miniature Single Pole Rocker Switches

TERMINATION

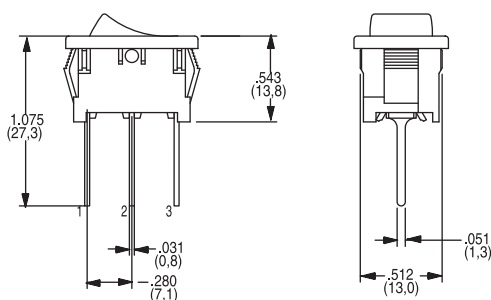
15 .187" QUICK CONNECT



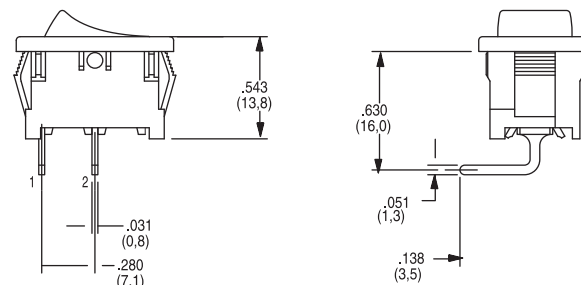
17 SOLDER LUG



02* THRU-HOLE



A* RIGHT ANGLE



* NOTE - O2 and A termination options not offered with J3, J4 or J5 actuator options.

ACTUATOR MARKING

NONE NO MARKING



D ON-OFF



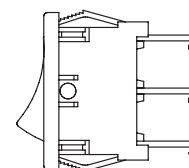
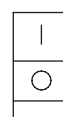
H O I



N LARGE DOT



P O -



All models shown in Pos. 1
Markings not available with J3 actuator

NOTE: Orientation of actuator marking and terminals.

CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
QF	SILVER	POWER	16 AMPS @ 125 VAC; 1/3 HP; 10 AMPS @ 250 VAC; 1/2 10 AMPS @ 125 VAC, 6 AMPS @ 250 VAC

* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

LAMP RATING

(NONE) NO LAMP

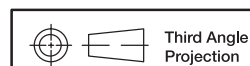
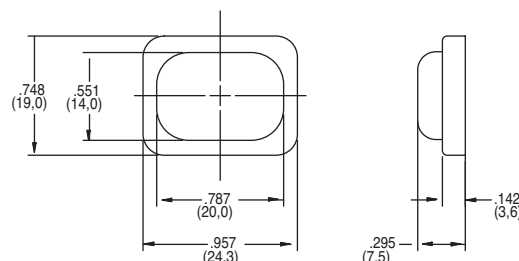
6 LED RATING @ 10 mA $V_F=1.85V$

7 125 VAC 33kΩ NEON

8 250 VAC 150kΩ NEON

ACCESSORIES

216C00000 IP65 SPLASH PROOF RUBBER BOOT



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



D Series

Miniature Snap-in Power Rocker Switches

Features/Benefits

- **Momentary and maintained models**
- **PC and quick connect terminals**
- **Recessed bracket available — prevents accidental actuation**
- **RoHS compliant**
- **Gold plated options available**

Typical Applications

- **Small appliances**
- **Computers and peripherals**
- **Medical instrumentation**



UL 61058-1



Specifications

CONTACT RATING:

D101, D102, D103, D105, D108, D201, D202, D203

GP (general purpose)

4 AMPS 125 VAC 50/60 Hz T85 10,000 cycles

2 AMPS 250 VAC 50/60 Hz T85 10,000 cycles

R (resistive)

4 AMPS 30 VDC T85 10,000 cycles

D501, D502, D503, D508, D601, D602, D608

GP (general purpose)

10 AMPS 125 VAC 50/60 Hz T85 10,000 cycles

5 AMPS 250 VAC 50/60 Hz T85 10,000 cycles

R (resistive)

10 AMPS 30 VDC T85 10,000 cycles

0.4VA @ 20V AC/DC (gold plating) available upon request

ELECTRICAL LIFE: 10,000 make-and-break cycles at full load.

INSULATION RESISTANCE: $10^9 \Omega$ min.

DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.

Materials

ACTUATOR & HOUSING: 6/6 nylon (UL 94V-2), color black, finish: matte.

MOVABLE CONTACTS: D10X and D20X Models: Copper, silver plated.
D50X and D60X Models: Coin silver, silver plated.

STATIONARY CONTACTS AND TERMINALS: Copper or brass, silver plated. Gold plating available.

CONTACT SPRING: Music wire or stainless steel.

OPERATING TEMPERATURE: -30°C to +65°C

NOTE: Specifications and materials listed above are for standard switches. 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-61 through G-64. For additional options not shown in catalog, consult Customer Service Center.



Switch Function

- D101** SPDT, On-None-On
- D102** SPST, On-None-Off
- D103** SPDT, On-Off-On
- D105** SPDT, Mom.-Off-Mom.
- D108** SPDT, Mom.-None-On
- D201** DPDT, On-None-On
- D202** DPST, On-None-Off
- D203** DPDT, On-Off-On
- D501** SPDT, On-None-On
- D502** SPST, On-None-Off
- D503** SPDT, On-Off-On
- D508** SPDT, Mom.-None-On
- D601** DPDT, On-None-On
- D602** DPST, On-None-Off
- D608** DPDT, Mom.-None-On

Actuator

- J1** Rocker
- J5** Lever

Actuator Color

- 2** Black
- 1** White
- 3** Red

Mounting Style/Color

- S2** Snap-in, black
- B2** Recessed snap-in actuator guard, black
- G2** Actuator guard, black
- S1** Snap-in, white

Terminations

- 15** Quick connect
- A** Right angle, PC thru-hole
- 02** PC Thru-hole
- 05** Twisted quick connect
- 06** Extended PC thru-hole
- 17** Wireable quick connect

Actuator Markings

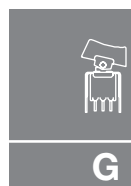
- NONE** No marking
- D** ON-OFF
- H** 0 I
- N** Large dot
- P** 0 -
- R** Red rectangle on end
- U** Large dot on end

Contact Material

- QA** Silver
- Gold plating options available contact Customer Service

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

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D Series Miniature Snap-in Power Rocker Switches

SWITCH FUNCTION

NO. POLES	MODEL NO.	AMP RATING*	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
			POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
									
SP	D102 D502	4 10	ON	NONE	OFF	1-1A	N/A	OPEN	SPST 
	D101 D501	4 10	ON	NONE	ON		N/A	1-1B	
	D103 D503	4 10		OFF					
	D105	4	MOM.	OFF	MOM.		OPEN		
	D108 D508	4 10	MOM.	NONE	ON		N/A		

SPDT

ACTUATOR SHOWN IN POSITION 1

TERMINAL NOS. FOR REF. ONLY

Part number shown: D101J12S215QA

DP	D202 D602	4 10	ON	NONE	OFF	1-1A, 2-2A	N/A	OPEN	
	D201 D601	4 10	ON	NONE	ON			OPEN	1-1B, 2-2B
	D203	4		OFF					
	D608	10	MOM.	NONE			N/A		

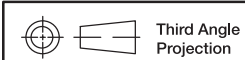
DPDT

ACTUATOR SHOWN IN POSITION 1

TERMINAL NOS. FOR REF. ONLY

Part number shown: D201J12S215QA

MOM. = Momentary
 *AMP RATING: see G-60
 See CONTACT MATERIALS, page G-64.



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

www.ck-components.com

Rocker



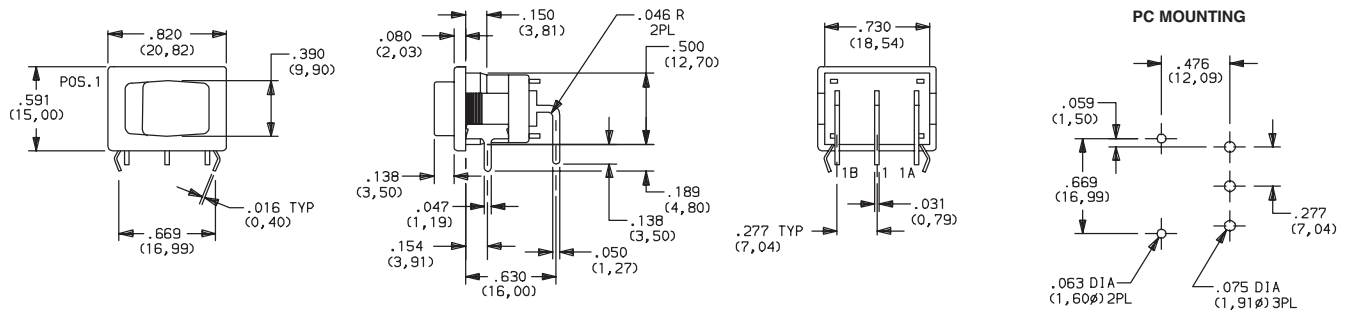
G

G-62

D Series Miniature Snap-in Power Rocker Switches

TERMINATIONS

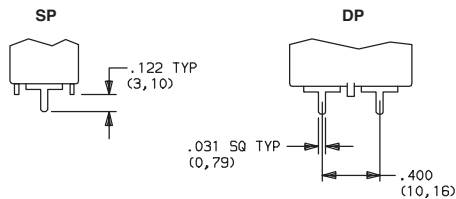
A RIGHT ANGLE, PC THRU-HOLE



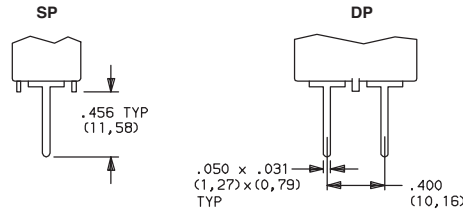
Available with D101, D102, D501, D502 SP models only.

TERMINATIONS

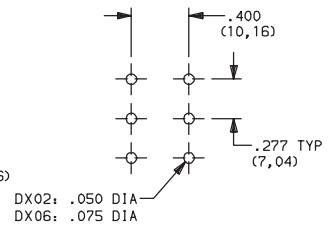
02 PC THRU-HOLE



06 EXTENDED PC THRU-HOLE



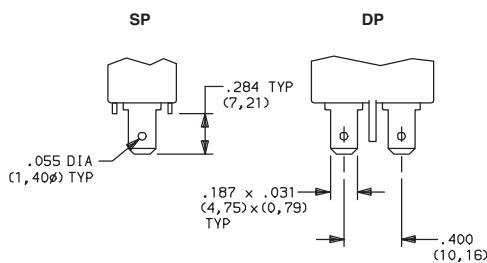
PC MOUNTING (02 and 06)



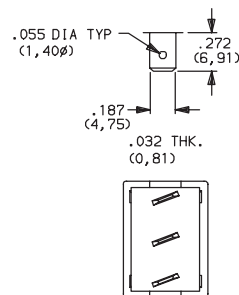
Available with DX01 and DX02 models only.

Available with DX01 and DX02 models only.

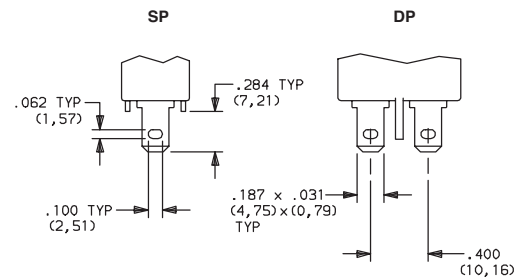
15 QUICK CONNECT



05 TWISTED QUICK CONNECT



17 WIRABLE QUICK CONNECT



Available with DX01 and DX02 models only.

NOTE: Terminals are twisted.

Available with DX01 and DX02 models only.

ACTUATORS

NONE NO MARKING

D ON-OFF

H O |

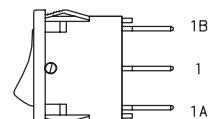
N LARGE DOT

P O -

R RED RECTANGLE

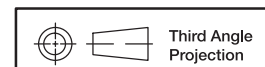
ON END

U LARGE DOT ON END



'D, H, P & U' marking options: marking color white, standard for all actuator colors except white. Black marking color, standard for white actuators. 'R & N' marking option: red marking color, standard. Consult Customer Service Center for other available marking colors.

NOTE: Orientation of actuator markings and terminals.



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



D Series Miniature Snap-in Power Rocker Switches

CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS
QA	SILVER 1	D101, D102, D103, D105, D108, D201, D202, D203
		GP (general purpose) 4 AMPS 125 VAC 50/60 Hz T85 10,000 cycles
		2 AMPS 250 VAC 50/60 Hz T85 10,000 cycles
		R (resistive) 4 AMPS 30 VDC T85 10,000 cycles
		D501, D502, D503, D508, D601, D602, D608
		GP (general purpose) 10 AMPS 125 VAC 50/60 Hz T85 10,000 cycles
		5 AMPS 250 VAC 50/60 Hz T85 10,000 cycles
		R (resistive) 10 AMPS 30 VDC T85 10,000 cycles

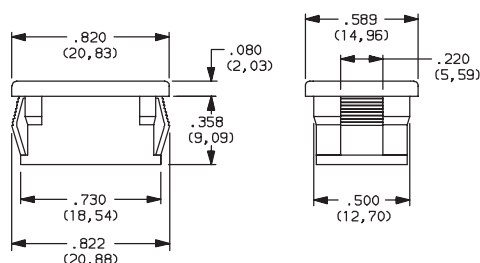
¹MOVABLE CONTACT: D10X and D20X MODELS: Copper, silver plated.
D50X and D60X MODELS: Coin silver, silver plated.



0.4VA @ 20V AC/DC Gold plated options available contact Customer Service.

AVAILABLE HARDWARE

Insert
SP Only



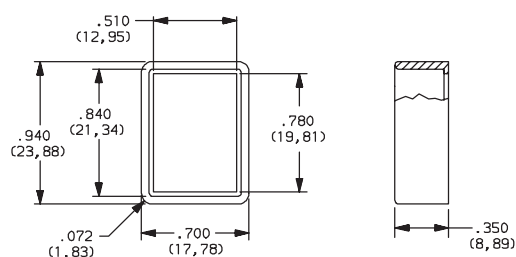
PART NO.
057190200 BLACK
Material: Nylon 6/6
Finish: Matte

**Recessed Actuator Guard,
SP Only**



599D02000 BLACK
Material: 6/6 Nylon
Finish: Matte

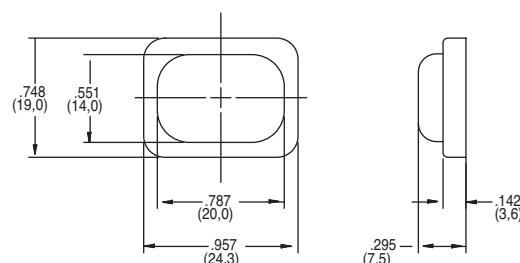
Actuator Guard



PART NO.
104C22000
Material: PBT thermoplastic
Finish: Matte

PART NO.

216C00000 IP65 SPLASH PROOF RUBBER BOOT



Rocker



G



Third Angle Projection

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

DM Series

Miniature 2 Pole Power Rocker Switches



Features/Benefits

- 3 AMPS to 10 AMPS
- Quick connect terminals
- Double pole in miniature size
- Recessed bracket available—prevents accidental actuation
- RoHS compliant

Typical Applications

- Computers
- Appliances
- Electric tools

UL 61058-1  

Specifications

CONTACT RATING:
DM21, DM22:
GP (general purpose)
3 AMPS 125 VAC 50/60 Hz T85 10,000 cycles
2 AMPS 250 VAC 50/60 Hz T85 10,000 cycles
R (resistive)
3 AMPS 30 VDC T85 10,000 cycles
DM61, DM62:
GP (general purpose)
10 AMPS 125 VAC 50/60 Hz T85 10,000 cycles
5 AMPS 250 VAC 50/60 Hz T85 10,000 cycles
R (resistive)
10 AMPS 30 VDC T85 10,000 cycles
ELECTRICAL LIFE: 10,000 make-and-break cycles at full load.
INSULATION RESISTANCE: $10^9 \Omega$ min.
DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.
OPERATING TEMPERATURE: -20°C to +65°C

Materials

HOUSING & ACTUATOR: 6/6 nylon (UL94V-2), black.
MOVABLE CONTACTS: DM2X Models: Copper, silver plated.
DM6X Models: Coin silver, silver plated.
STATIONARY CONTACTS & TERMINALS: Copper or brass, silver plated.
CONTACT SPRING: Music wire or stainless steel.

NOTE: Any models supplied with Q contact material are RoHS compliant.

NOTE: Specifications and materials listed above are for standard switches. 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-66 and G-68. For additional options not shown in catalog, consult Customer Service Center.

Switch Function DM21 DPDT, On-On DM22 DPST, On-Off DM61 (STD.) DPDT, On-On DM62 (STD.) DPST, On-Off	Actuator J1 Rocker Actuator Color 2 Black 1 White	Housing Style/Color S2 Snap-in, black B2 Recessed snap-in actuator guard, black G2 Actuator guard, black	Terminations 05 Quick connect Actuator Markings NONE No marking D ON-OFF H 01 P 0 -	Contact Material Q Silver
--	--	--	--	---



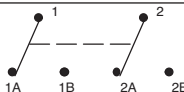
2 aug 16



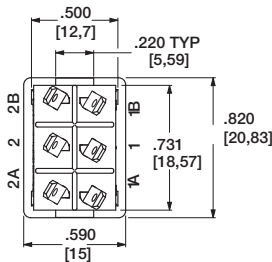
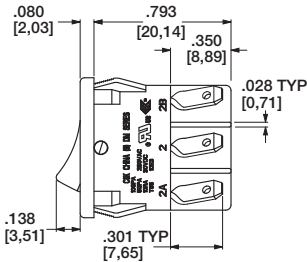
DM Series

Miniature 2 Pole Power Rocker Switches

SWITCH FUNCTION

NO. POLES	MODEL NO.	AMP RATING*	SWITCH FUNCTION		CONNECTED TERMINALS		SCHEMATIC
			POS. 1	POS. 2	POS. 1	POS. 2	
							
DP	DM22	3	ON	OFF	1-1A, 2-2A	OPEN	
	DM62	10					
	DM21	3	ON	ON	1-1A, 2-2A	1-1B, 2-2B	
	DM61	10					

DPDT



PART NUMBER SHOWN: DM21J1XS205Q

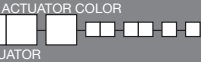
NOTES 1. ACTUATOR SHOWN IN POSITION 1-'ON' POSITION

RATINGS: See page G-65 for complete ratings.

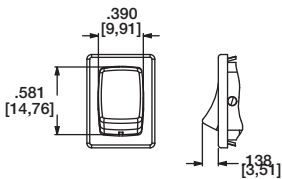


UL 61058-1 tested to 30C temperature rise @ 6,000 cycles.

ACTUATOR



J1 ROCKER



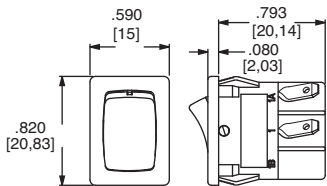
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE

NOTE: Actuator finish: matte. Other colors available, consult Customer Service Center.

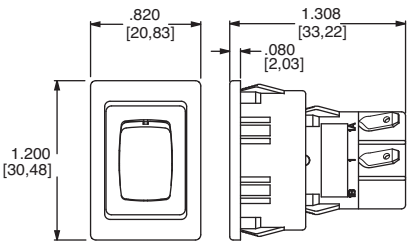
HOUSING STYLE/COLOR



S2 SNAP-IN, BLACK



B2 RECESSED SNAP-IN ACTUATOR GUARD, BLACK



Rocker

NOTE: Housing finish: matte. Other colors available, consult Customer Service Center.



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

www.ck-components.com

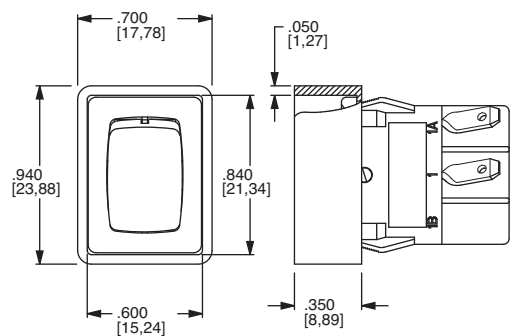


2 aug 16

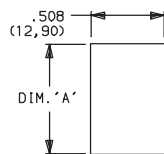
DM Series Miniature 2 Pole Power Rocker Switches

HOUSING STYLE/COLOR

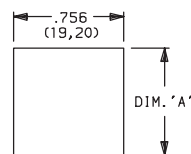
G2 ACTUATOR GUARD, BLACK



PANEL MOUNTING



'S2' & 'G2' housing styles



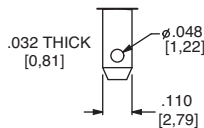
'B2' housing style

NOTE: Blank insert available for SP models only, see page H-76.

PANEL THICKNESS	DIM 'A' 'S2' & 'G2' HOUSING STYLES	DIM 'A' 'G2' OPTION SP MODELS ONLY	DIM 'A' 'B2' HOUSING STYLES
.030-.049 (0,76) (1,24)	.756 (19,20)	0.764 (19,41)	1.068 (27,13)
.049-.079 (1,24) (2,01)	.764 (19,41)	0.780 (19,81)	1.076 (27,33)
.079-.118 (2,01) (3,00)	.780 (19,81)	n/a	1.092 (27,74)

TERMINATIONS

05 QUICK CONNECT



ACTUATOR MARKINGS

NONE NO MARKING



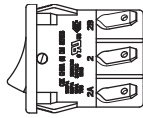
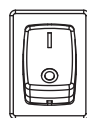
D ON-OFF



H O I



P O -



NOTE: Orientation of actuator markings and terminals.

'D & P' marking options: marking color white, standard for all actuator colors except white actuators. Black marking color standard for white actuators. Consult Customer Service Center for other available marking colors.

CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
Q	SILVER ^{1,2}	DM21, DM22:	GP (general purpose)
			3 AMPS 125 VAC 50/60 Hz T85 10,000 cycles
			2 AMPS 250 VAC 50/60 Hz T85 10,000 cycles
		R (resistive)	3 AMPS 30 VDC T85 10,000 cycles
		DM61, DM62:	GP (general purpose)
			10 AMPS 125 VAC 50/60 Hz T85 10,000 cycles
			5 AMPS 250 VAC 50/60 Hz T85 10,000 cycles
		R (resistive)	10 AMPS 30 VDC T85 10,000 cycles

* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

¹ MOVABLE CONTACT: DM2X Models: Copper, silver plated.
DM6X Models: Coin silver, silver plated.
² STATIONARY CONTACTS & TERMINALS: Copper or brass, silver plated.

NOTE: Any models supplied with Q contact material are RoHS compliant.



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



2 aug 16

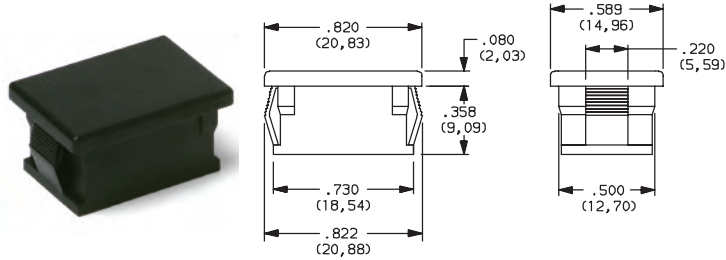


DM Series

Miniature 2 Pole Power Rocker Switches

AVAILABLE HARDWARE

Insert



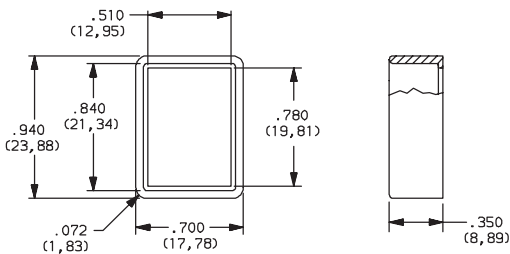
PART NO.
057190200
 Material: Nylon 6/6
 Finish: Matte

Recessed Actuator Guard



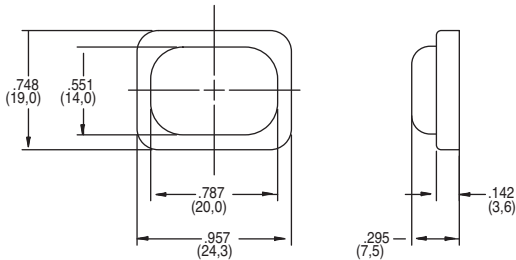
PART NO.
599D02000
 Material: 6/6 Nylon
 Finish: Matte

Actuator Guard



PART NO.
104C22000
 Material: PBT thermoplastic
 Finish: Matte

PART NO.
216C00000 IP65 SPLASH PROOF RUBBER BOOT



Rocker



2 aug 16

DM Series Miniature Illuminated Power Rocker Switches



Features/Benefits

- 3 AMPS to 10 AMPS
- Illuminated LED
- Positive detent
- RoHS compliant

Typical Applications

- Instrumentation
- Industrial
- Office machines



Specifications

CONTACT RATING: DM14 and DM24 Models: 3 AMPS @ 125 V AC; 2 AMPS @ 250 V AC. DM54 and DM64 Models: 10 AMPS @ 125 V AC; 5 AMPS @ 250 V AC (UL).

ELECTRICAL LIFE: 10,000 make-and-break cycles at full load.

INSULATION RESISTANCE: $10^9 \Omega$ min.

DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.

NOTE: Any models supplied with Q contact material are RoHS compliant.

NOTE: Specification and materials listed above are for standard switches. For information on specific and custom switches, consult Customer Service Center.

Materials

HOUSING: 6/6 nylon (UL94V-2), black.

ACTUATOR: 6/6 nylon (UL94V-2), black.

MOVABLE CONTACTS: DM14 and DM24 Models: Copper, silver plated. DM54 and DM64 Models: Coin silver, silver plated.

STATIONARY CONTACTS & TERMINALS: Copper or brass, silver plated.

LED TERMINALS: Brass, unplated.

CONTACT SPRING: Music wire or stainless steel.

OPERATING TEMPERATURE: -20°C to +65°C

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-70 and G-72. For additional options not shown in catalog, consult Customer Service Center.

Switch Function	Actuator	Actuator Color	Housing Style/Color	Terminations	Contact Material	LED Color
DM14 SPST, 3 AMP	J7 Rocker with colorless LED window	2 Black	S2 Snap-in, black	05 Quick connect	Q Silver	3 Red
DM24 DPST, 3 AMP		1 White	G2 Actuator guard, black			4 Amber
DM54 SPST, 10 AMP						6 Green
DM64 DPST, 10 AMP						



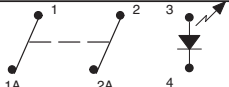
2 aug 16

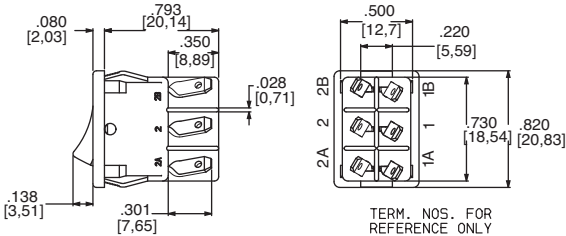


DM Series

Miniature Illuminated Power Rocker Switches

SWITCH FUNCTION

NO. POLES	MODEL NO.	AMP RATING*	SWITCH FUNCTION		CONNECTED TERMINALS		SCHEMATIC
			POS. 1	POS. 2	POS. 1	POS. 2	
							
SP	DM14	3	ON	OFF	1-1A	OPEN	
	DM54	10					
DP	DM24	3	ON	OFF	1-1A, 2-2A	OPEN	
	DM64	10					
DPDT							



Actuator shown in pos. 1 – 'ON' position.

SPST MODELS (DM14 & DM54) OMIT TERMINALS 2 & 2A.

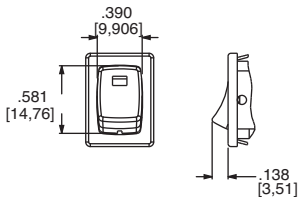
Part number shown: DM24J72S205Q3

* RATINGS: see page G-69.



ACTUATOR

J7 ROCKER WITH COLORLESS LED WINDOW

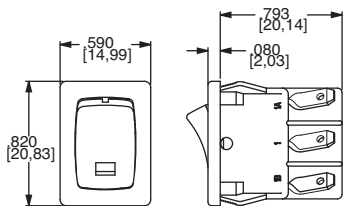


OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE

NOTE: Other colors available, consult Customer Service Center.

HOUSING STYLE/COLOR

S2 SNAP-IN, BLACK



NOTE: Housing finish: matte. Other colors available, consult Customer Service Center.

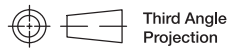
Rocker



G



2 aug 16



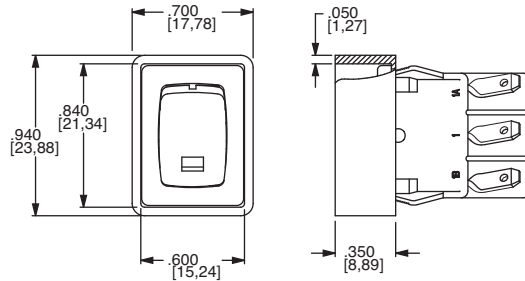
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

www.ck-components.com

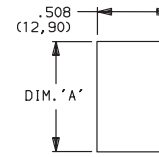
DM Series Miniature Illuminated Power Rocker Switches

HOUSING STYLE/COLOR

G2 ACTUATOR GUARD, BLACK



PANEL MOUNTING



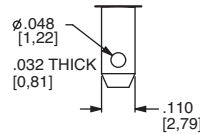
'S2' & 'G2' housing style

NOTE: Blank insert available for SP models only, see page H-80.

PANEL THICKNESS	DIM 'A' 'S2' & 'G2' HOUSING STYLES	DIM 'A' with 'G2' option SP MODELS ONLY
.030-.049 (0,76) (1,24)	0.756 (19,20)	0.764 (19,41)
.049-.079 (1,24) (2,01)	0.764 (19,41)	0.780 (19,81)
.079-.118 (2,01) (3,00)	.780 (19,81)	n/a

TERMINATIONS

05 QUICK CONNECT



CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
Q	SILVER 1,2	POWER	DM14 and DM24 Models: 3 AMPS @ 125 V AC; 2 AMPS @ 250 V AC. DM54 and DM64 Models: 10 AMPS @ 125 V AC; 5 AMPS @ 250 V AC.

* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

¹ MOVABLE CONTACTS: DM14 and DM24 models: Copper, silver plated.
DM54 and DM64 models: Coin silver, silver plated.

² STATIONARY CONTACTS & TERMINALS: Copper or brass, silver plated.

NOTE: Any models supplied with Q contact material are RoHS compliant.

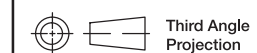


LED COLOR

OPTION CODE	LED COLOR	FORWARD V_{FD}	CURRENT I_{LED}	REVERSE V_R	INTENSITY M_{CD}	RECOMMENDED RESISTOR @ VOLTAGE		
						5V	12V	24V
3	Red	2.1	10	4V	1.6 typ.	270	1K	2.2K
4	Amber	2.2	20	4V	2.5 typ.	150	510	1.2K
6	Green	2.1	20	4V	2.0 typ.	150	510	1.2K



2 aug 16



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

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Rocker



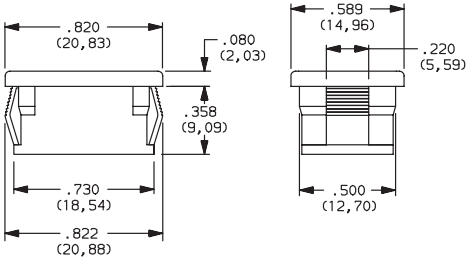
G

DM Series

Miniature Illuminated Power Rocker Switches

AVAILABLE HARDWARE

Blank Insert



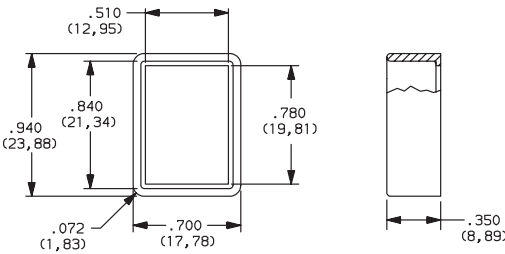
PART NO.
057190200
Material: Zinc nylon 6/6
Finish: Matte

Recessed Bracket



PART NO.
599D02000
Material: 6/6 Nylon
Finish: Matte

Actuator Guard

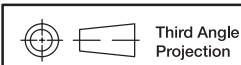


PART NO.
104C22000
Material: PBT thermoplastic
Finish: Matte

Rocker



2 aug 16



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

- **Power switching up to 16 AMPS**
- **Sub-panel and Front-panel mounting**
- **PC and quick connect terminals**
- **Multi-position and multi-pole function**
- **RoHS compliant**

- **Computers**
- **Power supplies**
- **Appliances**
- **Fitness equipment**
- **Off-road vehicles**



CONTACT RATING: 16 AMPS @ 125, 250 V AC; 1/4 HP
@ 125 V AC; 1/2 HP @ 250 V AC; 6 AMPS @ 48 V DC,
2 AMPS @ 60 V DC, 11 AMPS @ 30 V DC

ELECTRICAL LIFE: 10,000 make-and-break cycles at full load.

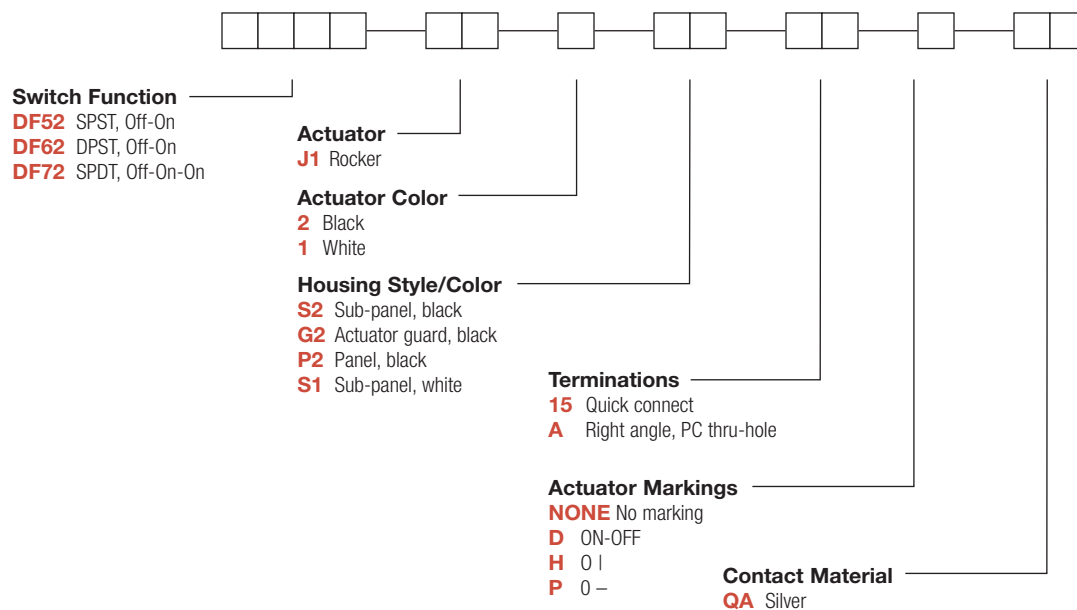
INSULATION RESISTANCE: $10^9 \Omega \text{ min.}$

DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.

OPERATING TEMPERATURE: -20°C to +85°C

HOUSING & ACTUATOR: 6/6 nylon (UL 94V-2), black, finish: matte.
CONTACTS: Fine silver, silver plated.
TERMINALS: Copper, silver plated.
CONTACT SPRING: Music wire or stainless steel.

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages G-74 thru G-76. For additional options not shown in catalog, consult Customer Service Center.



DF Series
Power Rocker Switches

SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS		SCHEMATIC
		POS. 1	POS. 2	POS. 1	POS. 2	
SP	DF52	OFF	ON	OPEN	1-1A	SPST
DP	DF62	OFF	ON	OPEN	1-1A, 2-2A	DPST

NO. POLES	MODEL NO.	POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	SCHEMATIC
SP	DF72	OFF	ON	ON	OPEN	1 / 2-2A	1 / 2-1A 1 / 2-2A	

DPST

Actuator shown in Pos. 1

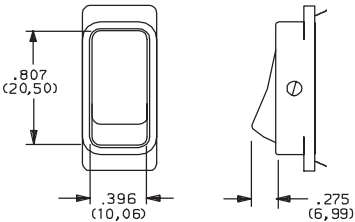
Part number shown: DF62J12S215QA

All models

ACTUATOR

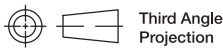
ACTUATOR COLOR

J1 ROCKER



OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE

NOTE: Actuator finish: matte. Other colors available, consult Customer Service Center.



Third Angle
Projection

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

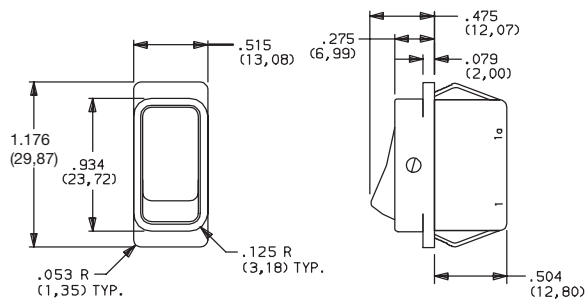
www.ck-components.com

DF Series Power Rocker Switches

HOUSING STYLE/COLOR

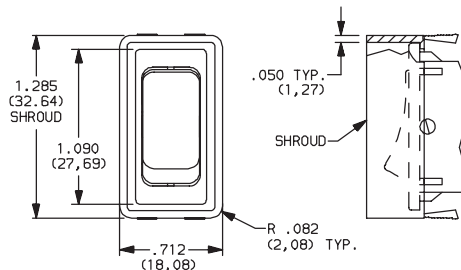


S SUB-PANEL



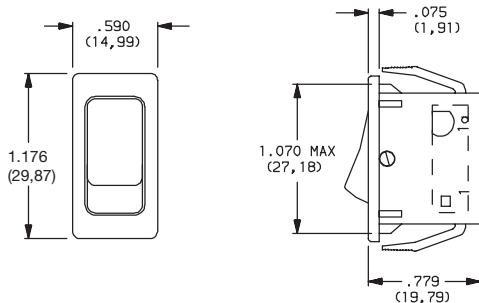
NOTE: DF52 & DF62 models only.

G2 ACTUATOR GUARD



NOTE: Not available with 'A' termination.
Available in black only.

P PANEL



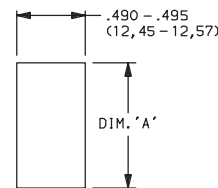
NOTE: Not available with 'A' termination.
Available in black only.

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

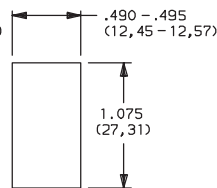
NOTE: Housing finish: matte. Other colors available, consult Customer Service Center.

PANEL MOUNTING

PANEL THICKNESS	DIM 'A'
.029-.048 (0,74) (1,22)	1.021 (25,93)
.048-.078 (1,22) (1,98)	1.029 (26,14)
.078-.117 (1,98) (2,97)	1.045 (26,54)
.075-.140 (1,91) (3,56)	1.075 (27,31)



DF52 & DF62 Models with 'S' housing style

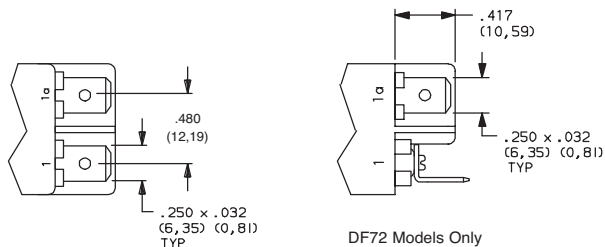


DF52, DF62 & DF72 Models with 'P2' & 'G2' housing style

TERMINATIONS

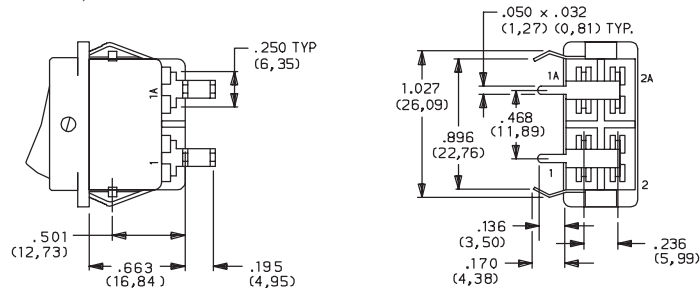


15 QUICK CONNECT



DF72 Models Only

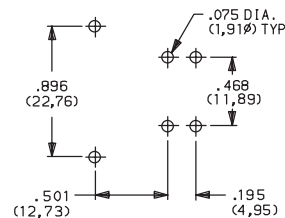
A RIGHT ANGLE, PC THRU-HOLE



Actuator shown in Pos. 1

NOTE: DF52 and DF62 Models Only

PC MOUNTING



DF Series Power Rocker Switches

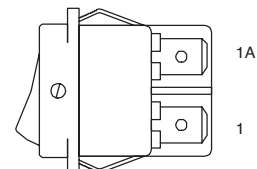
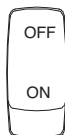
ACTUATOR MARKINGS

NONE NO MARKING

D ON-OFF

Hoi

P O -



NOTE: Orientation of actuator markings and terminals.

'D, H, & P' marking options: marking color white, standard for all actuator colors except white.
Marking color black, standard for white actuators. Consult Customer Service Center for other available marking colors.

CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
QA	SILVER 1,2	POWER	16 AMPS @ 125, 250 V AC; 1/4 HP @ 125 V AC; 1/2 HP @ 250 V AC; 6 AMPS @ 48 V DC (UL), 2 AMPS @ 60 V DC, 11 AMPS @ 30 V DC 16 AMPS @ 125, 250 V AC; 1/4 HP @ 125 V AC; 1/2 HP @ 250 V AC (UL)

* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

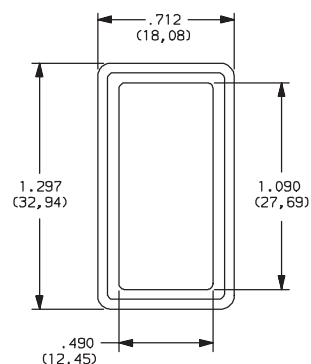
¹ CONTACTS: Fine silver, silver plated.

All models

² TERMINALS: Copper, silver plated.

AVAILABLE HARDWARE

Actuator Guard



PART NO.

285B02000

Material: Nylon 6/6
Finish: Matte

Rocker



G



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

CR Series

Typical Applications

- ***Appliances, small and large***
- ***Office equipment***
- ***Computers and peripherals***
- ***Audio/Video equipment***
- ***RoHS compliant***



Materials

HOUSING AND ACTUATOR: 6/6 nylon (UL94V-2), matte finish.
ILLUMINATED ACTUATOR: Polycarbonate, matte finish.
CENTER CONTACTS: Silver plated, copper alloy.
END CONTACTS: Silver plated AgSnO₂InO₃.
ALL TERMINALS: Silver plated, copper alloy.

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

END CONTACTS: Silver plated $\text{AgSnO}_2\text{InO}_3$.

ALL TERMINALS: Silver plated, copper alloy.

OPERATING TEMPERATURE: -20°C to + 85°C

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages G-78 through G-80. For additional options not shown in catalog, consult Customer Service Center.

Switch Function

- CR101** SPDT On-None-On
- CR102** SPST On-None-Off

Actuator

- J1** Rocker
- J2*** Two-tone rocker
- J3** Illuminated rocker
- J4**** Circle, illuminated rocker
- J5** Oval, illuminated rocker
- JN** Paddle, rocker
- JP** Paddle, illuminated rocker

Actuator Color

- 2** Black
- 1** White
- 3** Red
- R** Red, illuminated
- A** Amber, illuminated
- G** Green, illuminated

Mounting Style/Color

- S2** Snap-in, black
- S1** Snap-in, white

Termination

- 15** .187" quick connect

Contact Rating

- QF** Silver

Lamp Rating

- (NONE)** No lamp
- 6** LED
- 7** 125 VAC neon
- 8** 250 VAC neon

* Refer to table on page G-79 for actuator options.



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



CR Series

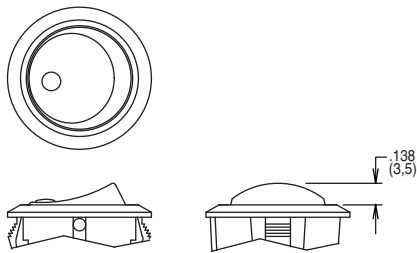
Round Single Pole Specialty Rocker Switches

SWITCH FUNCTION							

CR Series Round Single Pole Specialty Rocker Switches

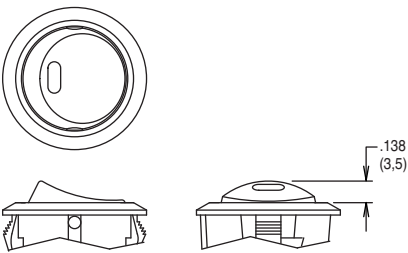
ACTUATOR

J4 CIRCLE, ILLUMINATED ROCKER



NOTE: Available with the combination of CR102 switch function and 7 & 8 lamp ratings only.

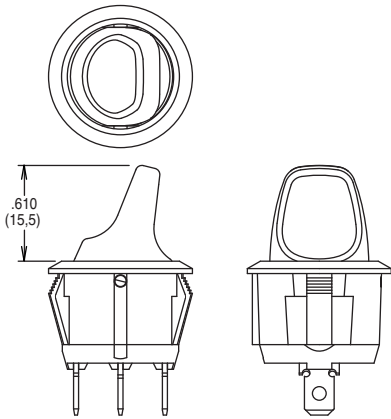
J5 OVAL, ILLUMINATED ROCKER



NOTE: Available with the combination of CR102 switch function and 6 lamp rating only.

JN PADDLE, ROCKER

JP PADDLE, ILLUMINATED ROCKER



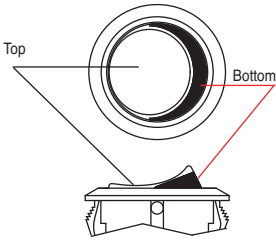
NOTE: JP actuator available with the combination of CR102 switch function and 7 & 8 lamp ratings only.

ACTUATOR COLOR

ACTUATOR	OPTION CODE	ACTUATOR COLOR
J1	2	BLACK
	1	WHITE
	3	RED
J3, J4	R	RED, ILLUMINATED
J5, JP	A	AMBER, ILLUMINATED
	G	GREEN, ILLUMINATED

ACTUATOR	OPTION CODE	ACTUATOR COLOR	
		TOP	BOTTOM
J2	1	WHITE	RED
	2	WHITE	BLACK
	3	RED	WHITE
	4	BLACK	WHITE
	5	BLACK	RED

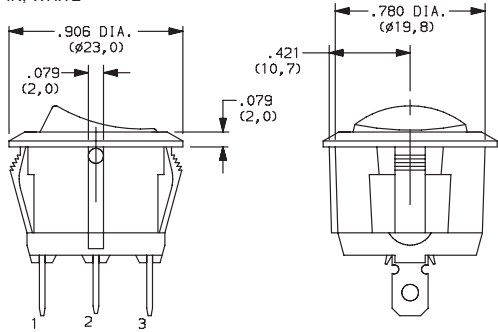
J2 actuator only



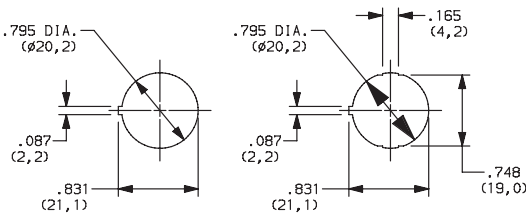
MOUNTING STYLE/COLOR

S2 SNAP-IN, BLACK

S1 SNAP-IN, WHITE

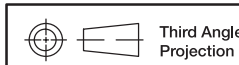


PANEL MOUNTING



Panel thickness:
2.0 - 3.0 mm

Panel thickness:
0.7 - 3.0 mm



Third Angle
Projection

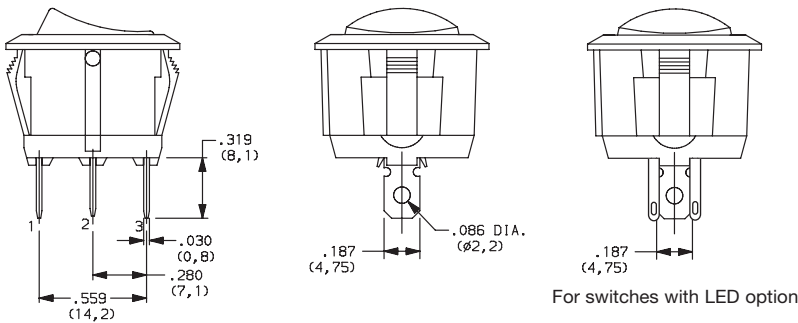
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change



CR Series
Round Single Pole Specialty Rocker Switches

TERMINATION

15 .187" QUICK CONNECT



CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
QF	SILVER	POWER	16 AMPS @ 125 VAC; 10 AMPS @ 250 VAC 

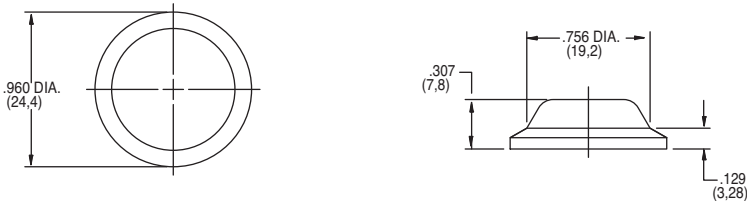
* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

LAMP RATING

- (NONE) NO LAMP
6 LED RATING @ 10 mA $V_F=1.85V$
7 125 VAC 33kΩ NEON
8 250 VAC 150kΩ NEON

ACCESSORIES

377C00000 IP65 SPLASH PROOF RUBBER BOOT



Rocker



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

SW Series Rocker Switches

Features/Benefits

- Various designs up to 16 amps
- Heavy duty and extended life cycles
- SPST, SPDT and DPST options
- Different symbols available

Typical Applications

- Household appliances
- Industrial equipment
- Audio & visual equipment
- Telecommunication
- Office equipment



Specifications

CONTACT RATING: 6.5 Amps @ 125 VAC
ELECTRICAL LIFE: 6,000 cycles at full load.
INITIAL CONTACT RESISTANCE: 100m Ω min.
INSULATION RESISTANCE: 100M Ω min.
DIELECTRIC STRENGTH: 1,500 VAC (50-60 Hz)
OPERATING FORCE: ON_OFF: 250 $\pm$ 100 gf
OFF_ON: 700 $\pm$ 250 gf
PACKAGING: 300 pieces per bag (5 trays)
2,400 pieces per box

Materials

HOUSING: PA (UL 94V-2).
KNOB: PA (UL 94V-2).
CONTACTS: Silver plated.

NOTE: Specifications and materials listed above are for switches with standard options.
For information on specific and custom switches, consult Customer Service Center.

Environmental

OPERATING TEMPERATURE: 0°C to 65°C

PART NUMBER	HOUSING COLOR
SW-13A65N-A01	White
SW-13A65N-A01 BK	Black

