

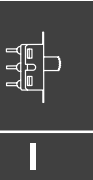
C&K 1000 Series Miniature Slide Switches

Features/Benefits

- Variety of actuators and terminations
- Panel mount tabs available
- Epoxy terminal seal—compatible with bottom-wash cleaning

Typical Applications

- Test & measurement equipment
- Telecommunications
- Computer & peripherals



Side

Specifications

CONTACT RATING: B contact material: 0.4 VA max. @ 20 V AC or DC max. Q contact material: 6 AMPS @ 120 V AC or 28 V DC, 3 AMPS @ 250 V AC. See page I-16 for additional ratings.

ELECTRICAL LIFE: 100,000 make-and-break cycles at full load on models with B or K contact material; 40,000 cycles on models with G, Q, L or M contact material.

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

INSULATION RESISTANCE: 10⁹ Ω min.

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

OPERATING TEMPERATURE: -30°C to 65°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.

HOUSING: Stainless steel.

SWITCH SUPPORT: Brass or steel, tin plated.

END CONTACTS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Coin silver, silver plated. See page I-16 for additional contact materials.

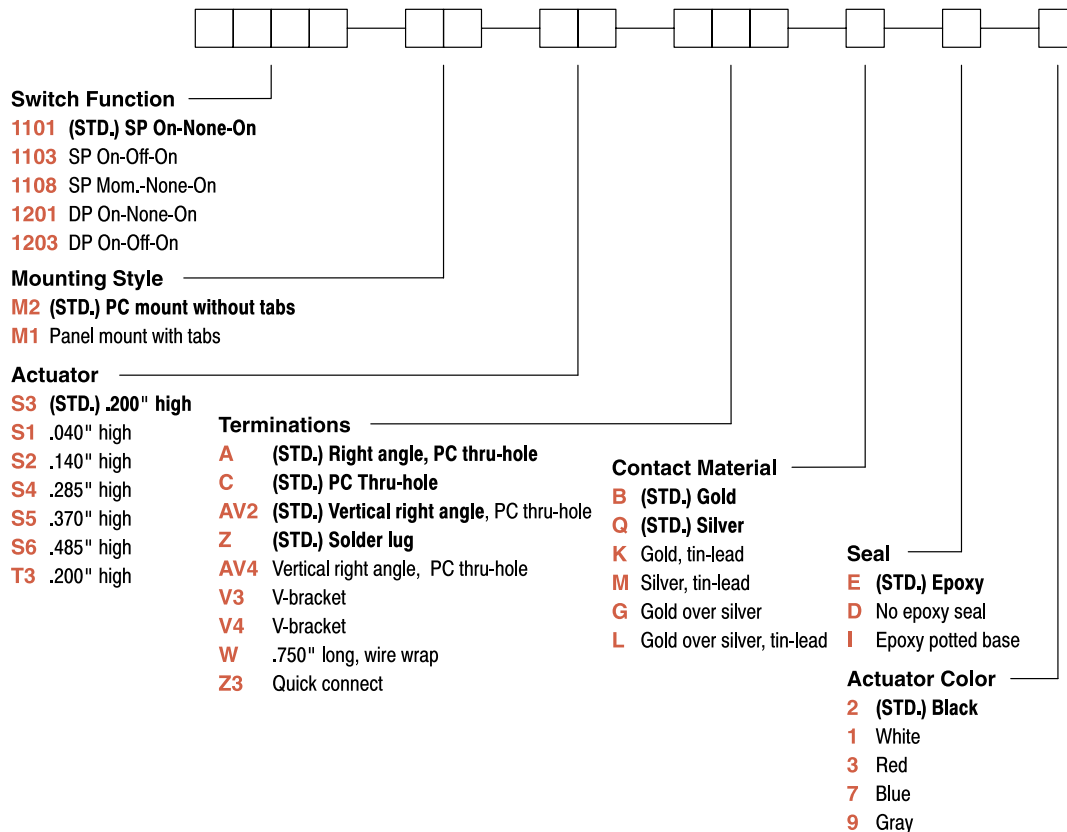
CENTER CONTACT & ALL TERMINALS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Copper alloy, silver plated. See page I-16 for additional contact materials.

TERMINAL SEAL: Epoxy

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 I-12 thru I-16. 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.



C&K 1000 Series Miniature Slide 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	1101 (STD.)	ON	NONE	ON	1-2	N/A	2-3	SPDT
	1103	ON	OFF	ON		OPEN		
	1108	MOM.	NONE	ON		N/A		
<p>SPDT</p> <p>Part number shown: 1101M2S3CQE2</p> <p>Terminal Nos. For Reference Only</p>								
DP	1201	ON	NONE	ON	2-1,5-4	OPEN	2-3,5-6	DPDT
	1203	ON	OFF	ON				
<p>DPDT</p> <p>Part number shown: 1201M2S3CQE2</p> <p>Terminal Nos. For Reference Only</p>								

MOM. = Momentary

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

MOUNTING STYLE

M2 (STD.) PC MOUNTING WITHOUT TABS

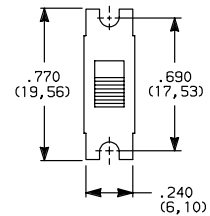


NOTE: Available with A, AV2, C, V3, V4, W terminations only.

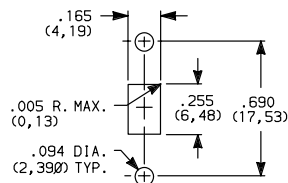
M1 PANEL MOUNTING WITH TABS



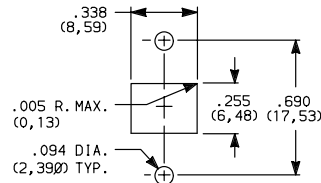
NOTE: Available with C, W, Z, Z3 terminations only. No mounting hardware supplied.



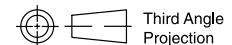
PANEL MOUNTING



All actuators except T3.
Single pole



For T3 actuator only.
Double pole



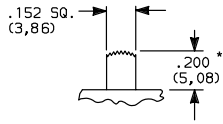
Dimensions are shown: IN (mm)
Dimensions subject to change

Slide

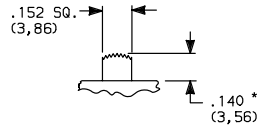
C&K 1000 Series Miniature Slide Switches

ACTUATOR ACTUATOR COLOR

S3 (STD.) .200" HIGH

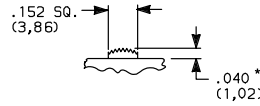


S2 .140" HIGH



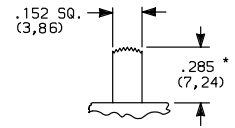
110X models only.

S1 .040" HIGH

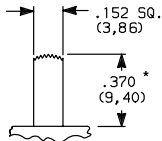


120X models only.

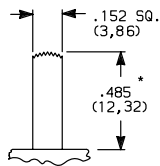
S4 .285" HIGH



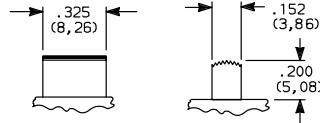
S5 .370" HIGH



S6 .485" HIGH



T3 .200" HIGH

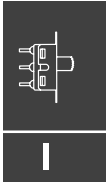


120X models only.

OPTION CODE	ACTUATOR COLOR
2	(STD.) BLACK
1	WHITE
3	RED
7	BLUE
9	GRAY

Other colors available, consult Customer Service Center.

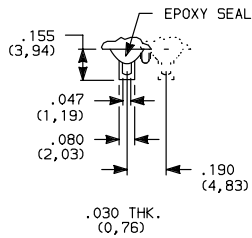
* Subtract .014 (0,36) from actuator height, all models with A, AV2, V3, V4 terminations.



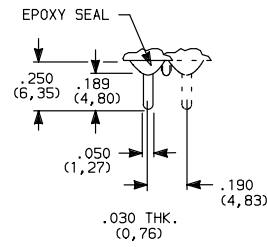
Slide

TERMINATIONS

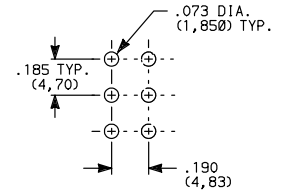
Z (STD.) SOLDER LUG



C (STD.) PC THRU-HOLE



PC MOUNTING

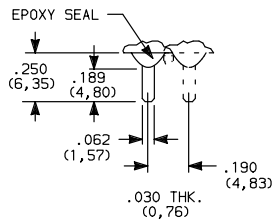


SPDT & DPDT

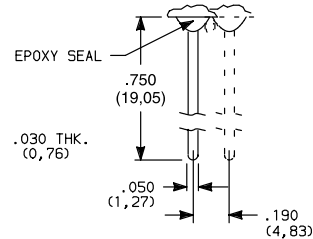
Not available with K, L or M contact materials.

SPDT & DPDT

Z3 QUICK CONNECT



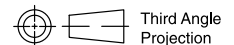
W WIRE WRAP



SPDT & DPDT

Not available with K, L or M contact materials. Mating quick connector available; order part number 530100000, page I-16.

SPDT & DPDT



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

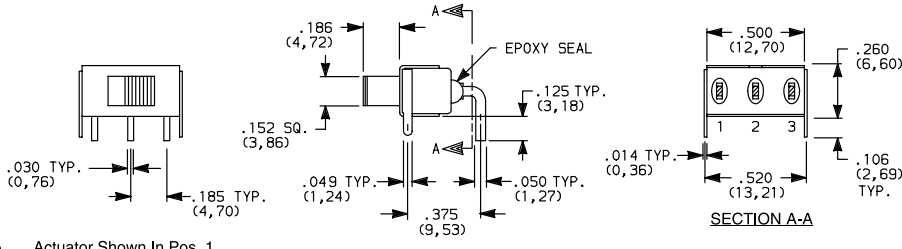
C&K 1000 Series Miniature Slide Switches

TERMINATIONS

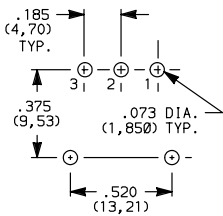
A (STD.) RIGHT ANGLE, PC THRU-HOLE



1101M2S3ABE2
Horizontal Actuation
SPDT



PC MOUNTING



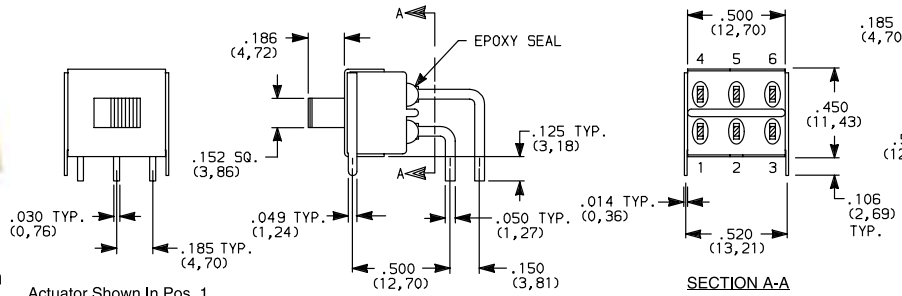
Not available with M1 mounting style, I seal option.
Terminal bend radii and lead-in manufacturing option.

Slide

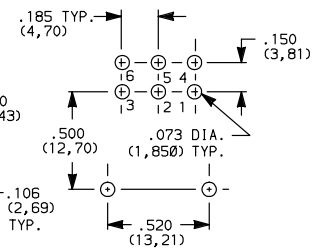
A (STD.) RIGHT ANGLE, PC THRU-HOLE



1201M2S3ABE2
Horizontal Actuation
DPDT



PC MOUNTING

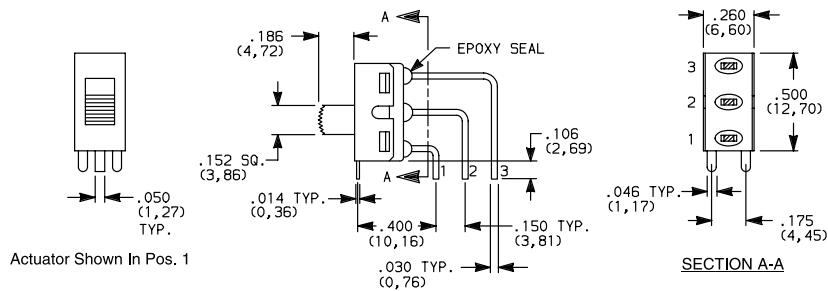


Not available with M1 mounting style, I seal option.
Terminal bend radii and lead-in manufacturing option.

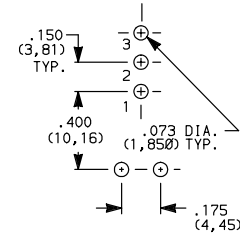
AV2 (STD.) VERTICAL RIGHT ANGLE, PC THRU-HOLE, .150" PITCH



1101M2S3AV2BE2
Vertical Actuation
SPDT

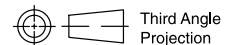
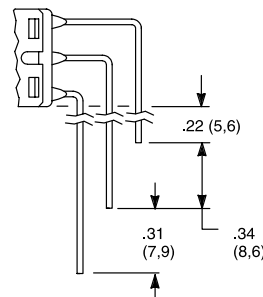


PC MOUNTING



Not available with M1 mounting style, I seal option.
Terminal bend radii and lead-in manufacturing option.

AV4 VERTICAL RIGHT ANGLE, PC THRU-HOLE, .150" PITCH, EXTENDED

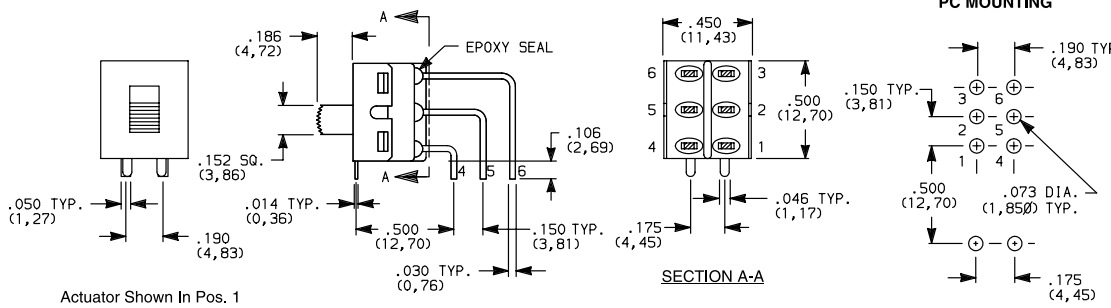


Dimensions are shown: IN (mm)
Dimensions subject to change

C&K 1000 Series Miniature Slide Switches

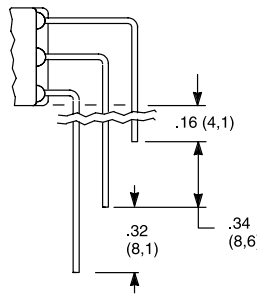
TERMINATIONS

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

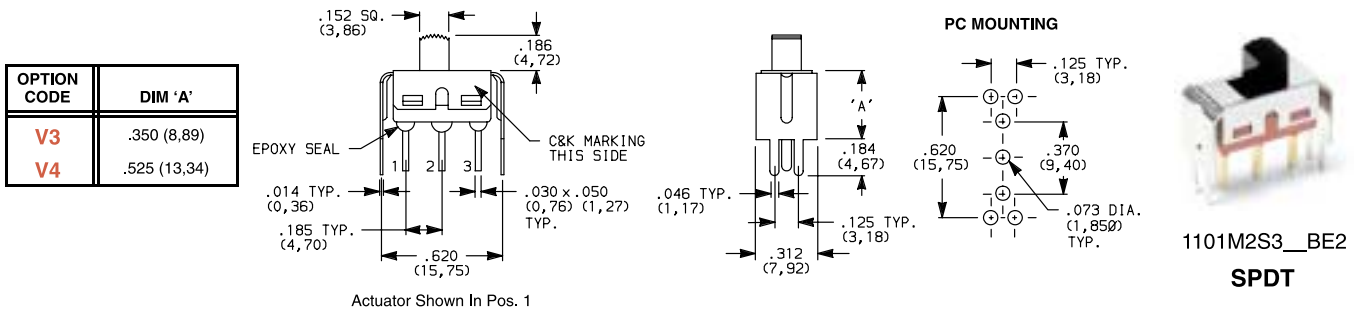


Not available with M1 mounting style, I seal option.
Terminal bend radii and lead-in manufacturing option.

AV4 VERTICAL RIGHT ANGLE, PC THRU-HOLE, .150" PITCH, EXTENDED

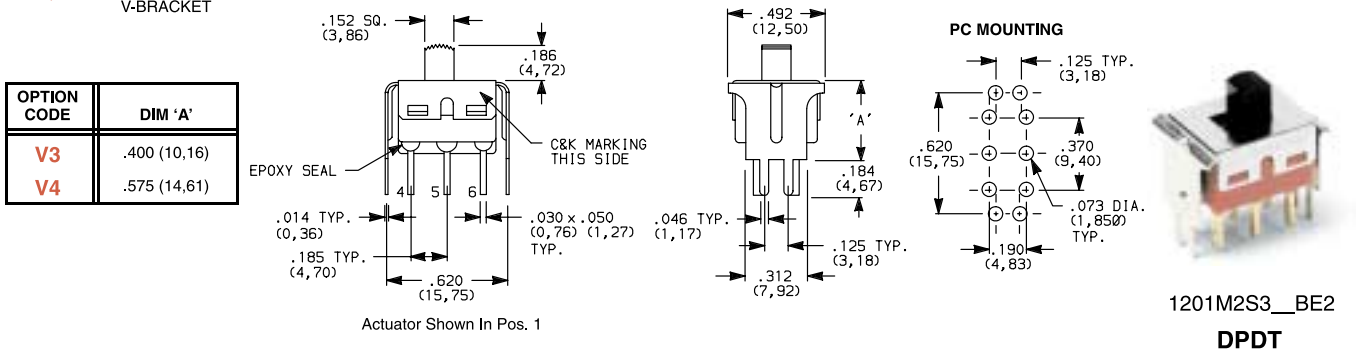


V3, V4 VERTICAL MOUNT, V-BRACKET

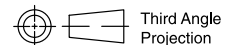


Not available with M1 mounting style and I seal.

V3, V4 VERTICAL MOUNT, V-BRACKET



Not available with M1 mounting style and I seal.



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Dimensions subject to change

C&K 1000 Series Miniature Slide Switches


CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
B (STD.)	GOLD ¹	GOLD ¹	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
K		TIN-LEAD ⁶		
Q (STD.)	SILVER ^{4,5}	SILVER ⁵	POWER	6 AMPS @ 120 V AC OR 28 V DC; 3 AMPS @ 250 V AC.
M		TIN-LEAD ⁶		
G	GOLD OVER SILVER ^{2,3}	GOLD ³	LOW LEVEL/DRY CIRCUIT OR POWER	0.4 VA MAX @ 20 V AC OR DC MAX. OR 6 AMPS @ 120 V AC OR 28 V DC; 3 AMPS @ 250 V AC.
L		TIN-LEAD ⁶		

CONTACT MATERIAL/APPLICATION RECOMMENDATIONS—SEE SECTION N.

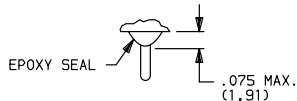
Slide

- ¹ CONTACTS & TERMINALS: Copper alloy, with gold plate over nickel plate.
- ² END CONTACTS: Coin silver, with gold plate over nickel plate.
- ³ CENTER CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.
- ⁴ END CONTACTS: Coin silver, silver plated.
- ⁵ CENTER CONTACT & ALL TERMINALS: Copper alloy, silver plated.
- ⁶ TERMINALS: Copper alloy, with tin-lead alloy over nickel plate.

All models  with all options when ordered with G, L, M or Q contact material.
 B contact material standard with all terminations except C, Z, Z3.
 Q contact material standard with C, Z, Z3 terminations..
K, L, M contact materials not available with Z, Z3 terminations.

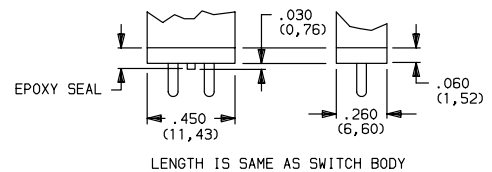
SEAL

E (STD.) EPOXY SEAL



D NO EPOXY SEAL

I EPOXY POTTED BASE



NOTE: Available with C, W, W3, Z, Z3 terminations only.

AVAILABLE HARDWARE

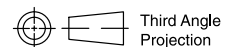
Fits Z3 Termination
female connector



PART NO.

530100000

Available in loose pieces.



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