

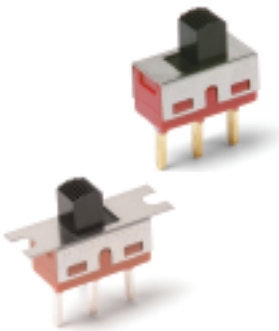
C&K 1000 Series Miniature Slide Switches

Features/Benefits

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

Typical Applications

- **Test & measurement equipment**
- **Telecommunications**
- **Computer & peripherals**



Models Available

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 J-15 for additional ratings.

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

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

INSULATION RESISTANCE: $10^9 \Omega$ 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, 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 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 J-15 for additional contact materials.

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

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

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 J-11 through J-15. 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	Mounting Style	Actuator	Terminations	Contact Material	Seal	Actuator Color
1101 SP On-None-On 1103 SP On-Off-On 1108 SP Mom-None-On 1201 DP On-None-On 1203 DP On-Off-On	M2 PC mount without tabs M1 Panel mount with tabs	S3 .200" high S1 .040" high S2 .140" high S4 .285" high S5 .370" high S6 .485" high T3 .200" high	A Right angle, PC thru-hole C PC Thru-hole AV2 Vertical right angle, PC thru-hole Z Solder lug V3 V-bracket V4 V-bracket W .750" long, wire wrap Z3 Quick connect	B Gold Q Silver K Gold, tin-lead M Silver, tin-lead G Gold over silver L Gold over silver, tin-lead P Gold, matte-tin S Silver, matte-tin R Gold over silver, matte-tin	E Epoxy D No epoxy seal I Epoxy potted base	2 Black 1 White 3 Red 7 Blue



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

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	ON	NONE	ON	1-2	N/A	2-3	
	1103	ON	OFF	ON		OPEN		
	1108	MOM.	NONE	ON		N/A		
SPDT								

SPDT

Actuator shown in position 1

Part number shown: 1101M2S3CQE2

Terminal Nos. For Reference Only

DP	1201	ON	NONE	ON	2-1,5-4	OPEN	2-3,5-6	DPDT	
	1203	ON	OFF	ON					

DPDT

Actuator shown in position 1

Part number shown: 1201M2S3CQE2

Terminal Nos. For Reference Only

MOM. = Momentary

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

MOUNTING STYLE

M2 PC MOUNTING WITHOUT TABS

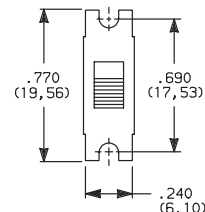


NOTE: Available with A, AV2, C, V3, V4, W terminations only.

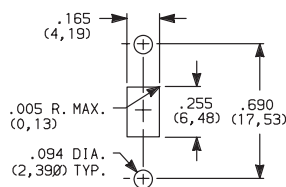
M1 PANEL MOUNTING WITH TABS



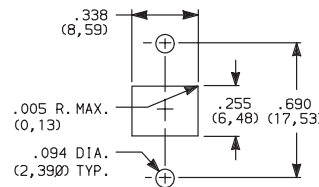
NOTE: Available with C, W, Z, Z3 terminations only. No mounting hardware supplied.



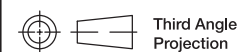
PANEL MOUNTING



All actuators except T3.
Single pole



For T3 actuator only.
Double pole



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



Slide

C&K 1000 Series Miniature Slide Switches

ACTUATOR

ACTUATOR COLOR

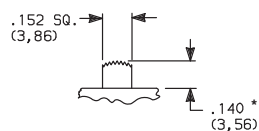
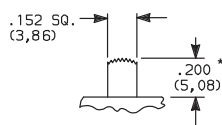
ACTUATOR

S3 .200" HIGH

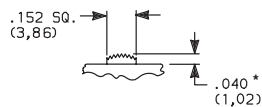
S2 .140" HIGH

S1 .040" HIGH

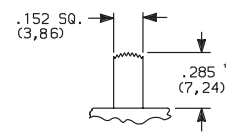
S4 .285" HIGH



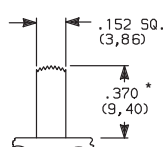
110X models only.



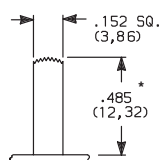
120X models only.



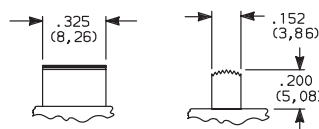
S5 .370" HIGH



S6 .485" HIGH



T3 .200" HIGH



120X models only.

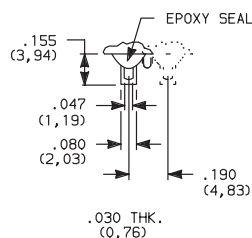
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED
7	BLUE
9	GRAY

Other colors available, consult Customer Service Center.

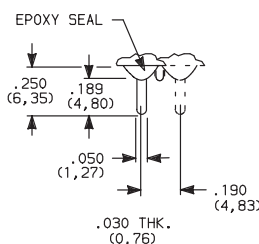
* Subtract .014 (0,36) from actuator height, all models with A, AV2, V3, V4 terminations.

TERMINATIONS

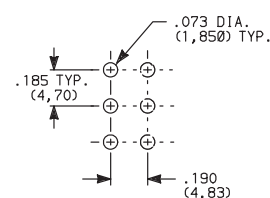
Z SOLDER LUG



C PC THRU-HOLE



PC MOUNTING

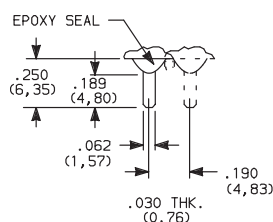


SPDT & DPDT

Not available with K, L, M, P, S or R contact materials.

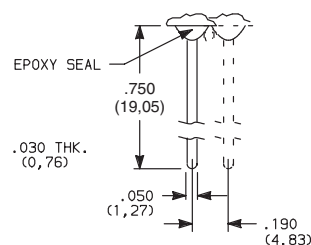
SPDT & DPDT

Z3 QUICK CONNECT



Not available with K, L, M, P, S or R contact materials. Mating quick connector available; order part number 530100000, page J-15.

W WIRE WRAP



SPDT & DPDT



ITT

Cannon

SPDT & DPDT



Third Angle Projection

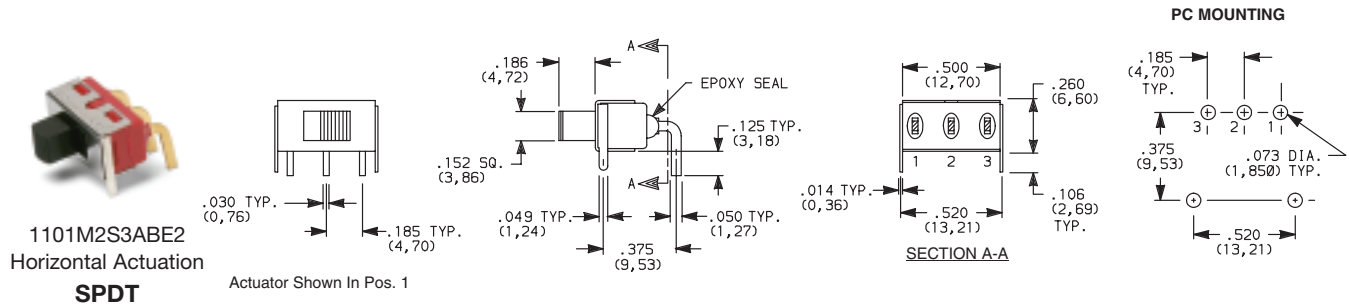
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

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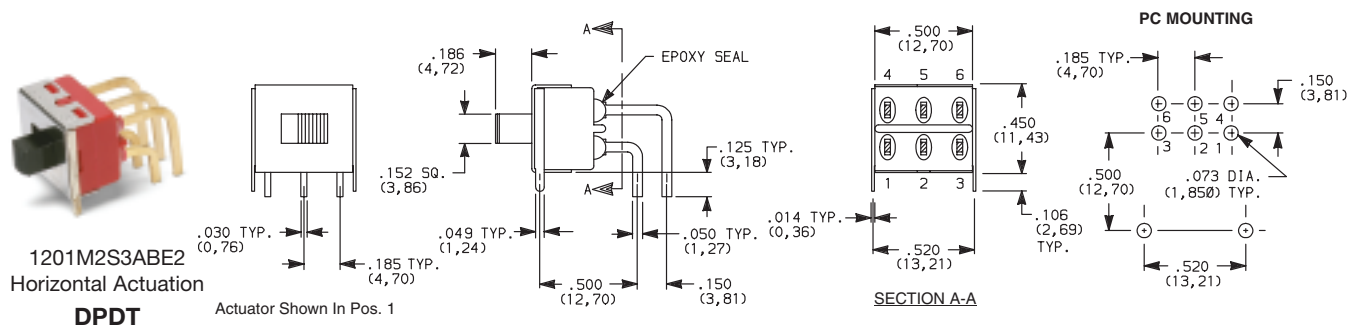
C&K 1000 Series Miniature Slide Switches

TERMINATIONS

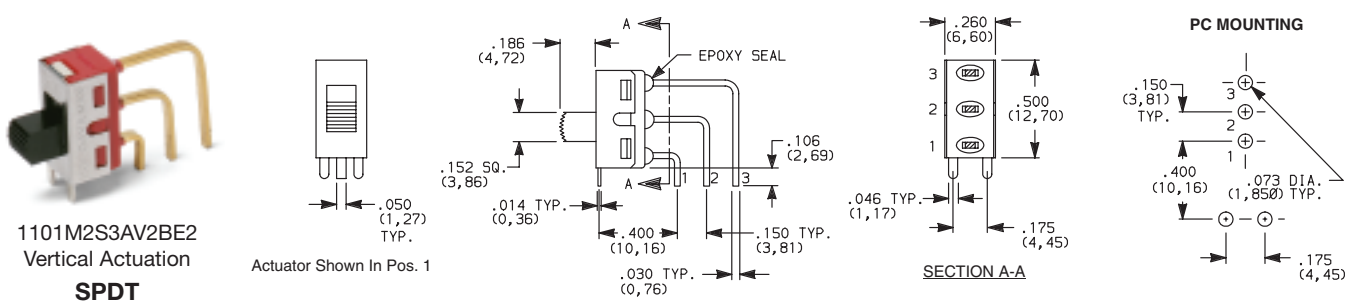
A RIGHT ANGLE, PC THRU-HOLE



A RIGHT ANGLE, PC THRU-HOLE



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



TERMINATIONS

PC MOUNTING



Actuator Shown In Pos. 1

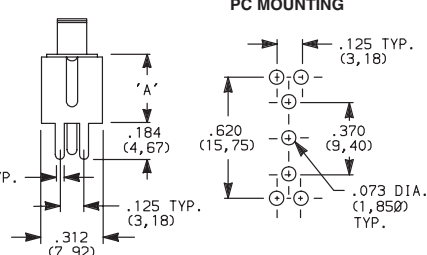
SECTION A-A

PC MOUNTING

Technical drawing of a three-pin connector. The drawing shows a top view of the connector with three pins labeled 1, 2, and 3. The dimensions are as follows:

- Top pin diameter: .152 50. (3, 86)
- Top pin length: .186 (4, 72)
- Pin diameter: .014 TYP. (0, 36)
- Pin length: .185 TYP. (4, 70)
- Pin spacing: .030 x .050 (0, 76) (1, 27) TYP.
- Overall width: .620 (15, 75)
- Overall height: .186 (4, 72)
- Labels: EPOXY SEAL, C&K MARKING THIS SIDE

.046 TYP
(1, 17)

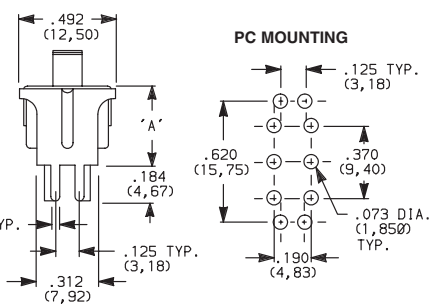


V3, V4 VERTICAL MOUNT,
V-BRACKET

Technical drawing of a component with dimensions and labels:

- Top dimension: .152 SQ. (3,86)
- Top right dimension: .186 (4,72)
- Label: C&K MARKING THIS SIDE
- Label: EPOXY SEAL
- Bottom left dimension: .014 TYP. (0,36)
- Bottom left dimension: .185 TYP. (4,70)
- Bottom right dimension: .030 x .050 (0,76) TYP.
- Bottom center dimension: .620 (15,75)
- Internal dimensions: 4, 5, 6

046 TYP.
(1,17)



1201M2S3__BE2
DPDT

Third Angle Projection

Dimensions are shown: Inch (mm)

Specifications and dimensions subject to change

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C&K 1000 Series Miniature Slide Switches

CONTACT MATERIAL

OPTION CODE	RoHS COMPLIANT	RoHS COMPLIANT	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
B	YES	YES	GOLD ¹	GOLD ³	LOW LEVEL/ DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
K	NO	YES		TIN-LEAD ⁶		
P	YES	YES		MATTE-TIN ⁷		
Q	YES	YES	SILVER ^{4,5}	GOLD ³	POWER	6 AMPS @ 120 V AC OR 28 V DC; 3 AMPS @ 250 V AC.
M	NO	YES		TIN-LEAD ⁶		
S	YES	YES		MATTE-TIN ⁷		
G	YES	YES	GOLD OVER SILVER ^{2,3}	GOLD ³	LOW LEVEL/DRY CIRCUIT OR POWER	0.4 VA MAX @ 20 V AC OR DC MAX OR 6 AMPS @ 120 V AC OR 0.4 MAX. 28 V DC; 3 AMPS @ 250 V AC.
L	NO	YES		TIN-LEAD ⁶		
R	YES	YES		MATTE-TIN ⁷		

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

- ¹ CONTACTS & TERMINALS: Copper alloy, with gold plate over nickel plate.
- ² END CONTACTS: Coin silver, with gold plate over nickel plate.
- ³ CENTER CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.
- ⁴ END CONTACTS: Coin silver, silver plated.
- ⁵ CENTER CONTACT & ALL TERMINALS: Copper alloy, silver plated.
- ⁶ TERMINALS: Copper alloy, with tin-lead alloy over nickel plate.
- ⁷ TERMINALS: Copper alloy, with matte-tin over nickel plate.

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

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

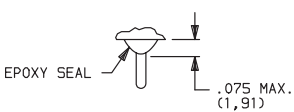
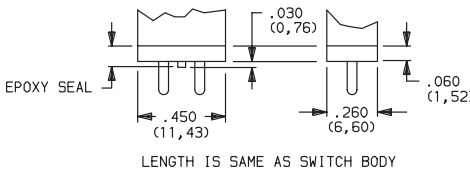
B contact material standard with all terminations except C, Z, Z3..

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

K, L, M, P, S or R contact materials not available with Z, Z3 terminations.

Slide

SEAL

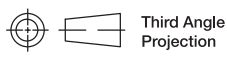
E EPOXY SEAL 	D NO EPOXY SEAL	I EPOXY POTTED BASE  NOTE: Available with C, W, W3, Z, Z3 terminations only.
--	------------------------	---

AVAILABLE HARDWARE

Fits Z3 Termination
female connector



PART NO.
530100000
Available in loose pieces.



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

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Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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moschip.ru_9