1000 Series
Miniature Slide Switches

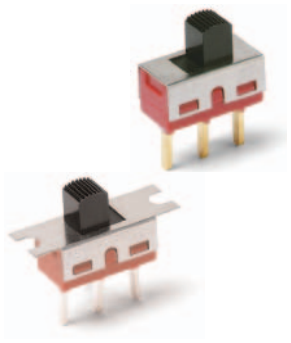
Features/Benefits

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

Models Available

Typical Applications

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



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 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, 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 I-16 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.

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 through 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.



Switch Function
- 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

Mounting Style
- M2 PC mount without tabs
- M1 Panel mount with tabs

Actuator
- S3 .200" high
- S1 .040" high
- S2 .140" high
- S4 .285" high
- S5 .370" high
- S6 .485" high
- T3 .200" high

Terminations
- 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

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

Seal
- E Epoxy
- D No epoxy seal
- I Epoxy potted base

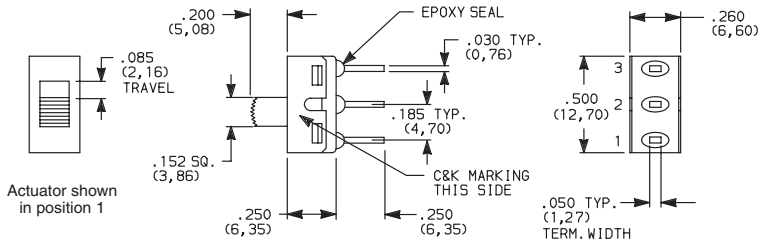
Actuator Color
- 2 Black
- 1 White
- 3 Red

1000 Series
Miniature Slide Switches

SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION POS. 1	SWITCH FUNCTION POS. 2	SWITCH FUNCTION POS. 3	CONNECTED TERMINALS POS. 1	CONNECTED TERMINALS POS. 2	CONNECTED TERMINALS POS. 3	SCHEMATIC
SP	1101	ON	NONE	ON	1-2	N/A	2-3	SPDT
	1103	ON	OFF	ON		OPEN		
	1108	MOM.	NONE	ON		N/A		

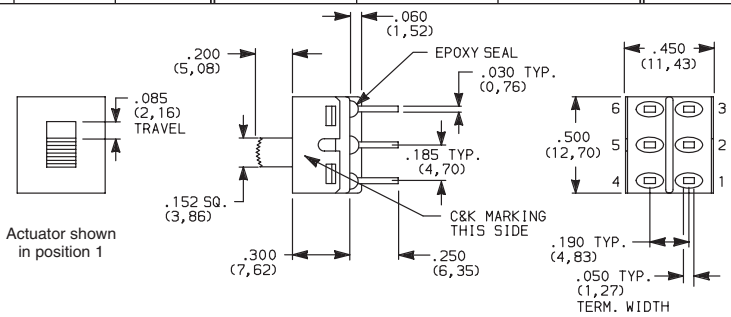
SPDT



Part number shown: 1101M2S3CQE2

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

DPDT



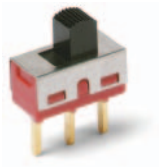
Part number shown: 1201M2S3CQE2

MOM. = Momentary

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

MOUNTING STYLE

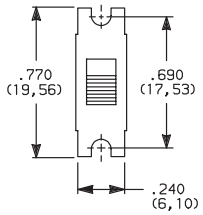
M2 PC MOUNTING WITHOUT TABS



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

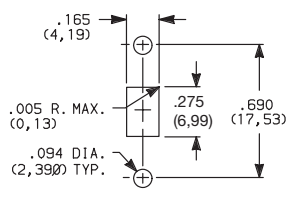
M1 PANEL MOUNTING WITH TABS



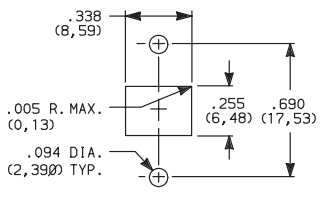


NOTE: Available with C, W, Z, Z3 terminations only.
No mounting hardware supplied.

PANEL MOUNTING



All actuators except T3.
Single pole



For T3 actuator only.
Double pole

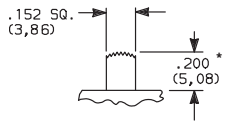
Third Angle Projection

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

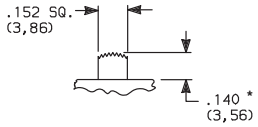
ACTUATOR

ACTUATOR COLOR
ACTUATOR

S3 .200" HIGH

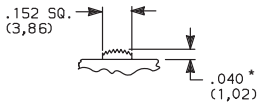


S2 .140" HIGH



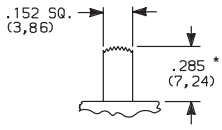
110X models only.

S1 .040" HIGH

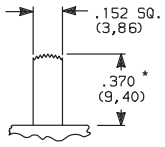


120X models only.

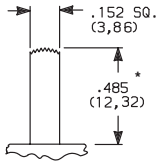
S4 .285" HIGH



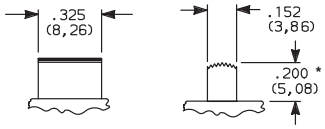
S5 .370" HIGH



S6 .485" HIGH



T3 .200" HIGH



120X models only.

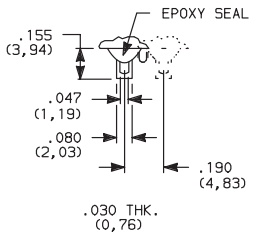
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED
7	BLUE
9	GRAY

Other colors available,
consult Customer Service Center.

* Subtract .014 (0,36) from actuator height, all models with A, AV2 - 2 pole, V3, V4 terminations.

TERMINATIONS

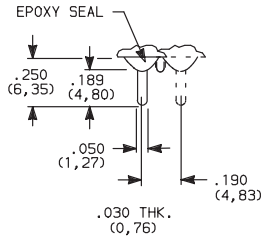
Z SOLDER LUG



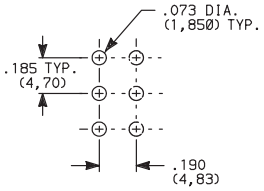
Not available with P, S or R contact materials.

SPDT & DPDT

C PC THRU-HOLE

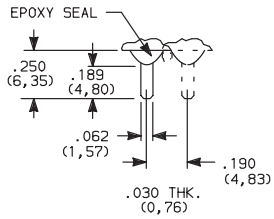


PC MOUNTING



SPDT & DPDT

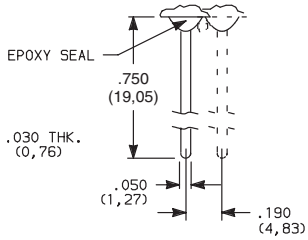
Z3 QUICK CONNECT



Not available with P, S or R contact materials. Mating quick connector available; order part number 530100000, page I-16.

SPDT & DPDT

W WIRE WRAP



SPDT & DPDT

Third Angle Projection

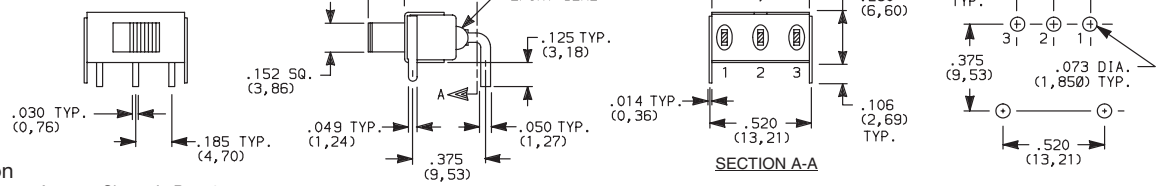
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

TERMINATIONS

A RIGHT ANGLE, PC THRU-HOLE

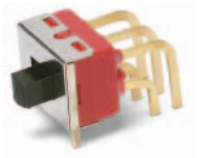


1101M2S3ABE2
Horizontal Actuation
SPDT

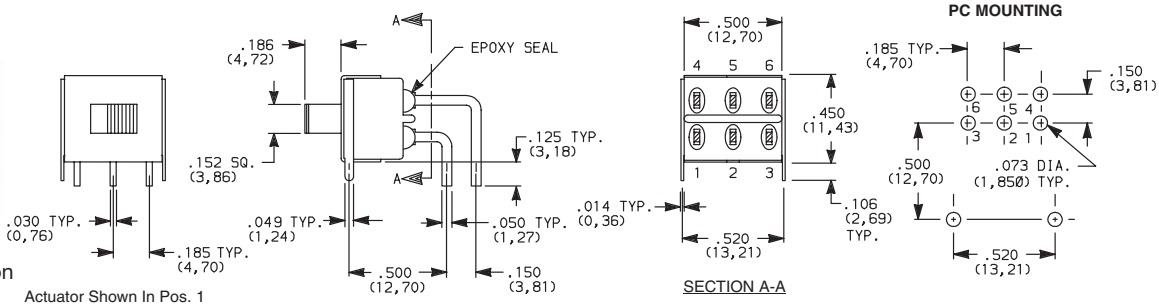


Not available with M1 mounting style, I seal option.
Terminal bend radii and lead-in manufacturing option.

A RIGHT ANGLE, PC THRU-HOLE

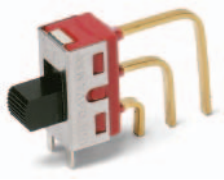


1201M2S3ABE2
Horizontal Actuation
DPDT

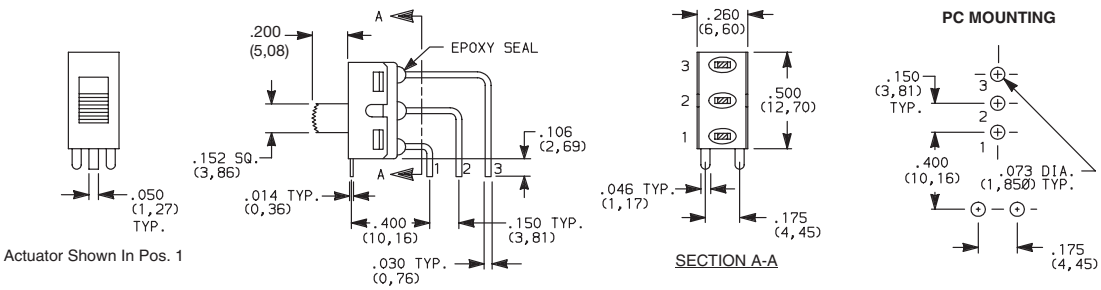


Not available with M1 mounting style, I seal option.
Terminal bend radii and lead-in manufacturing option.

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



1101M2S3AV2BE2
Vertical Actuation
SPDT



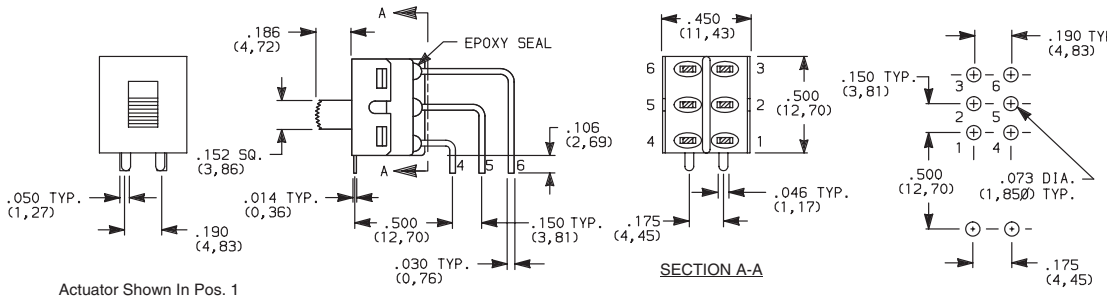
Not available with M1 mounting style, I seal option.
Terminal bend radii and lead-in manufacturing option.

Third Angle Projection

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

TERMINATIONS

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



Actuator Shown In Pos. 1

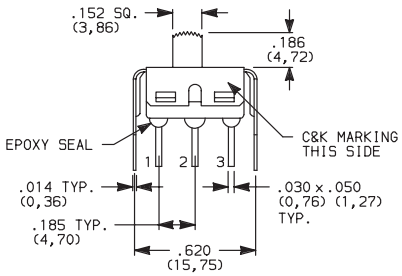


1201M2S3AV2BE2
Vertical Actuation
DPDT

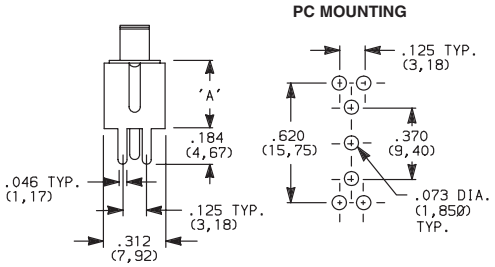
Not available with M1 mounting style, I seal option.
Terminal bend radii and lead-in manufacturing option.

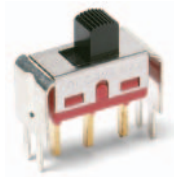
V3, V4
VERTICAL MOUNT,
V-BRACKET

OPTION CODE	DIM 'A'
V3	.350 (8,89)
V4	.525 (13,34)



Actuator Shown In Pos. 1



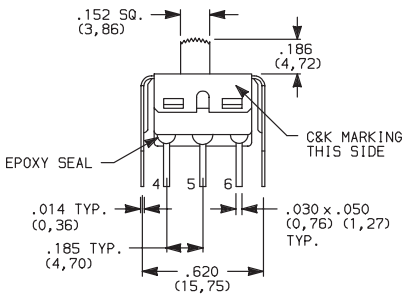


1101M2S3__BE2
SPDT

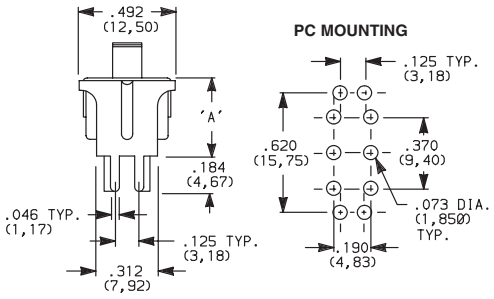
Not available with
M1 mounting style and I seal.

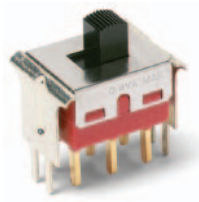
V3, V4
VERTICAL MOUNT,
V-BRACKET

OPTION CODE	DIM 'A'
V3	.400 (10,16)
V4	.575 (14,61)



Actuator Shown In Pos. 1





1201M2S3__BE2
DPDT

Not available with
M1 mounting style and I seal.

Third Angle Projection

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

1000 Series
Miniature Slide Switches

CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
B	GOLD [1]	GOLD [3]	LOW LEVEL/ DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
P		MATTE-TIN [6]		
Q	SILVER [4,5]	GOLD [3]	POWER	6 AMPS @ 120 V AC OR 28 V DC; 3 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 6 AMPS @ 120 V AC OR 0.4 MAX. 28 V DC; 3 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.

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

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

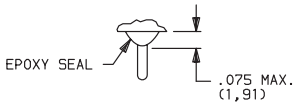
Q contact material standard with C, Z, Z3 terminations.

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

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

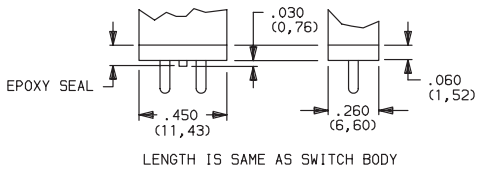
SEAL

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.

Third Angle Projection

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

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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

Офис по работе с юридическими лицами:

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Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

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moschip.ru_4
moschip.ru_6
moschip.ru_9