



UL models available, see page E-15.

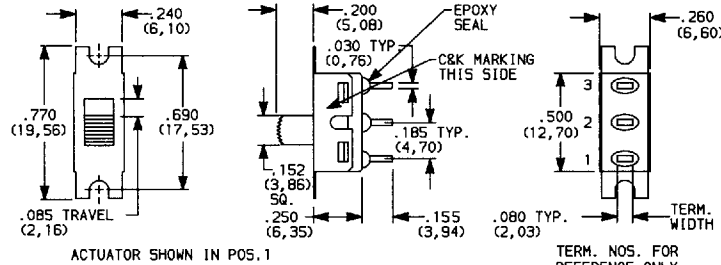
Easy Build-A-Switch:

Below is a complete listing of available options for 1000 SERIES MINIATURE SLIDE SWITCHES. Build-A-Switch allows you to mix and match options to create the switch you need—simply select desired option from each category. Switches with standard options are shown on page E-15; all available options are shown and described on pages E-15 thru E-20. When building a part number, some ordering format boxes may not be filled. Dashes, hyphens or spaces in the part number are not significant, and are shown for clarity only. Complete HOW TO ORDER information is at the end of this section, page E-20. All models have epoxy terminal seal and are compatible with 'bottom-wash' PC board cleaning methods.

SWITCH FUNCTION	MOUNTING STYLE	ACTUATOR	TERMINATIONS	CONTACT MATERIAL	SEAL	ACTUATOR COLOR
	Panel Mount			Silver	Epoxy	Black
1101	M1	S1	A	B	E	1
1103	M2	S2	AV1	G	I	2
1108		S3	AV2	K		3
1201		S4	AV4	L		4
1203		S5	AV5	M		5
		S6	AW	Q		6
		T3	AW1			7
			AW3			8
			AW4			9
			AW5			
			C			
			V3			
			V4			
			W			
			W1			
			W3			
			W4			
			W5			
			Z			
			Z3			

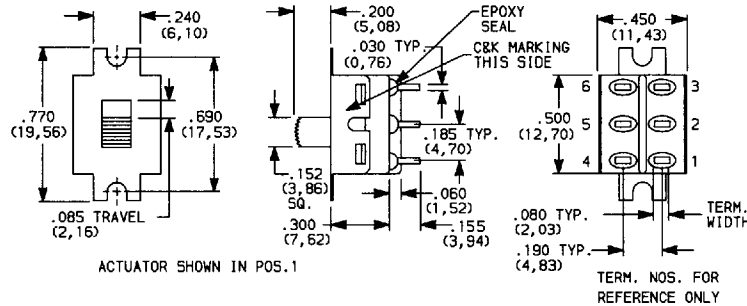
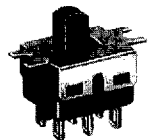
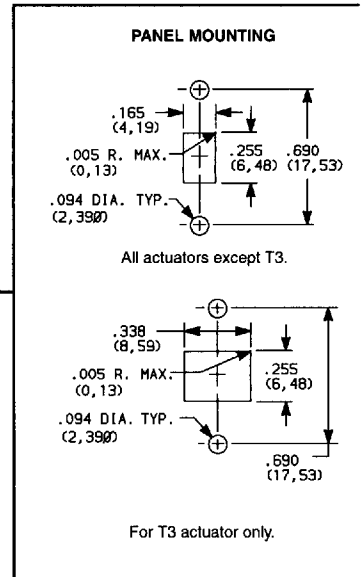
E

SWITCHES WITH STANDARD OPTIONS



SPDT

Part No. Shown: 1101M1S3ZQE2



DPDT

Part No. Shown: 1201M1S3ZQE2

SWITCH FUNCTION

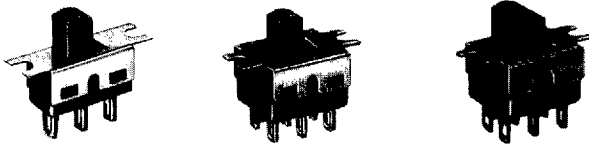
NO. POLES	MODEL* NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
SP	1101	ON	NONE	ON	1-2	OPEN	2-3	
	1103	ON	OFF	ON				
	1108	MOM.	NONE	ON				
DP	1201	ON	NONE	ON	2-1,5-4	OPEN	2-3,5-6	
	1203	ON	OFF	ON				

MOM. = MOMENTARY

* All models with all options when ordered with G, L, M or Q contact material. See AGENCY APPROVALS, page VIII.

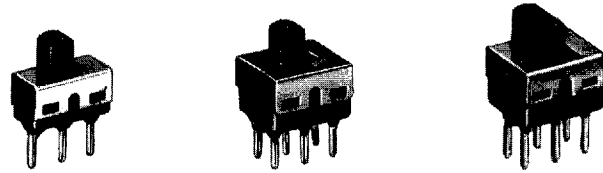
MOUNTING STYLE

M1 (STD.) PANEL MOUNTING



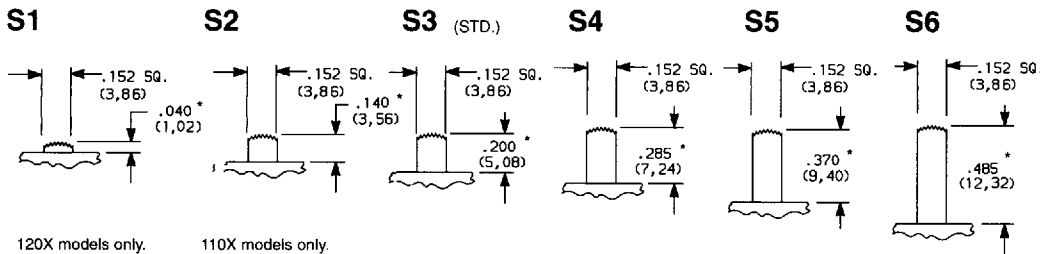
Available with Z, C, Z3, W-W5 terminations only. No mounting hardware supplied.

M2 PC MOUNTING



Available with C, W-W5, A, AW-AW5, AV1-AV5, V3-V4 terminations only.

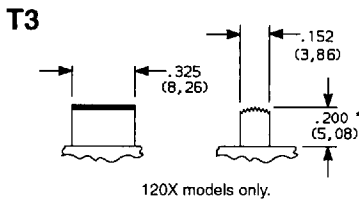
ACTUATOR COLOR



ACTUATOR COLOR

OPTION CODE	ACTUATOR COLORS
1	WHITE
2	BLACK (std.)
3	RED
4	ORANGE
5	YELLOW
6	GREEN
7	BLUE
8	BROWN
9	GRAY

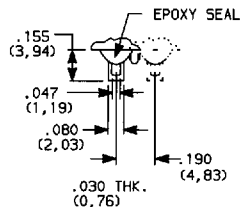
Select actuator color from chart. Place option code in appropriate box of ordering format. Some actuator/color combinations are special order, consult factory.



* Subtract .014 (0,36) from actuator height - all models with A, AW-AW5, AV1-AV5, V3-V4 terminations.

TERMINATIONS

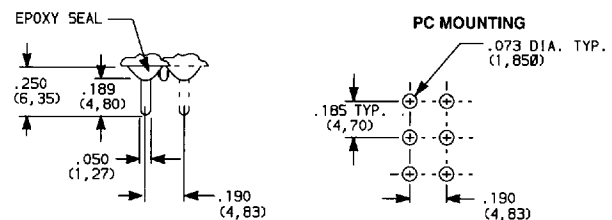
Z (STD.)



SPDT and DPDT

Q contact material std.
Not available with K, L, or M contact materials.

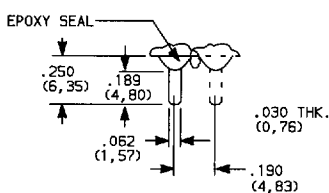
C



SPDT and DPDT

Q contact material std.

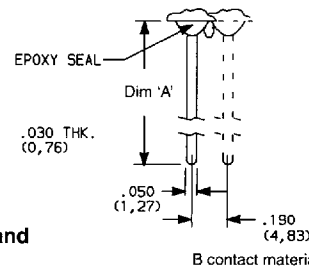
Z3 QUICK CONNECT



SPDT and DPDT

Q contact material std.
Not available with K, L, or M contact materials.
Mating quick connector available; order part no. 530100000.

W-W1-W3-W4-W5 WIRE WRAP

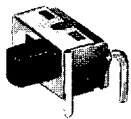
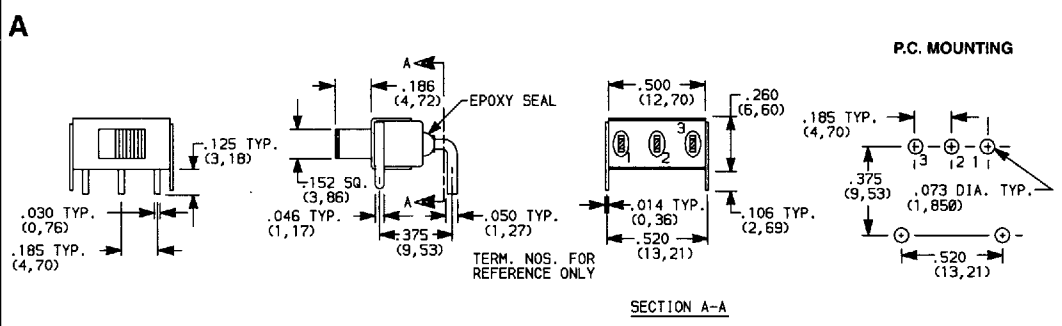


SPDT and DPDT

B contact material std.

Option	DIM 'A'
W	.750 (19,05)
W1	.964 (24,49)
W3	.425 (10,80)
W4	1.062 (26,97)
W5	1.305 (33,15)

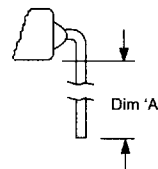
TERMINATIONS



A

Part No. Shown: 1101M2S3ABE2

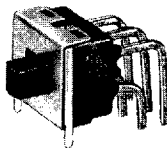
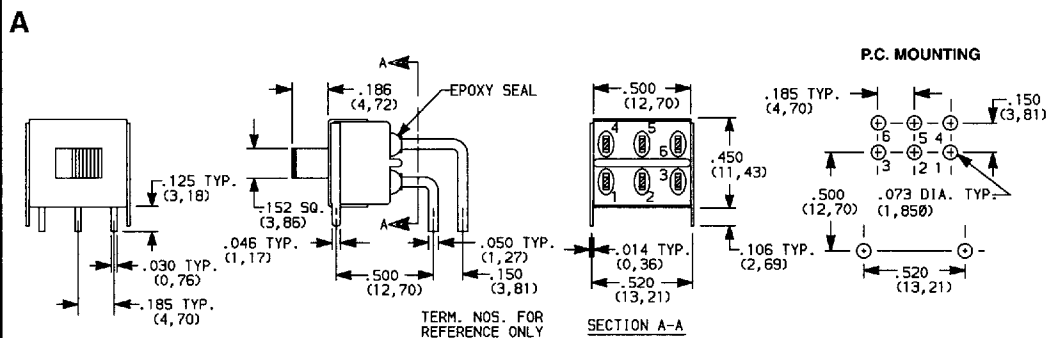
AW-AW1-AW3-AW4-AW5 EXTENDED



Option	DIM 'A'
AW	.50 (12,7)
AW1	.71 (18,0)
AW3	.20 (5,1)
AW4	.81 (20,6)
AW5	1.06 (26,9)

SPDT

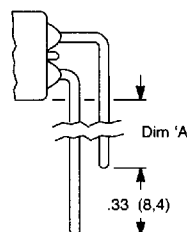
Term. bend radii and lead-in mfg. option.
Actuator shown in pos.1.
B contact material std.
Not available with M1 mtg. style, I seal option.



A

Part No. Shown: 1201M2S3ABE2

AW1-AW4-AW5 EXTENDED



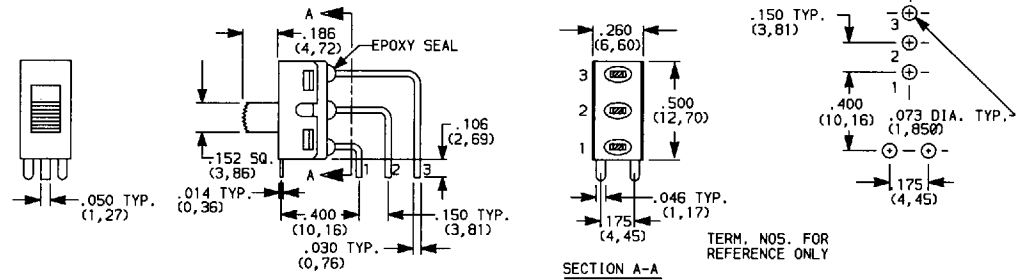
Option	DIM 'A'
AW1	.35 (8,9)
AW4	.46 (11,7)
AW5	.70 (17,8)

DPDT

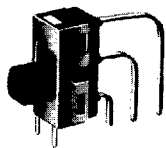
Term. bend radii and lead-in mfg. option.
Actuator shown in pos.1.
B contact material std.
Not available with M1 mtg. style, I seal option.

TERMINATIONS

AV2

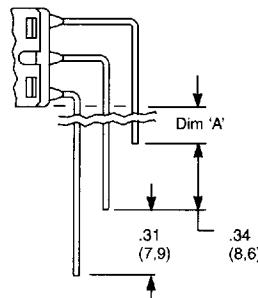


Part No. Shown: 1101M2S3AV2BE2



AV2

AV1-AV4-AV5 EXTENDED

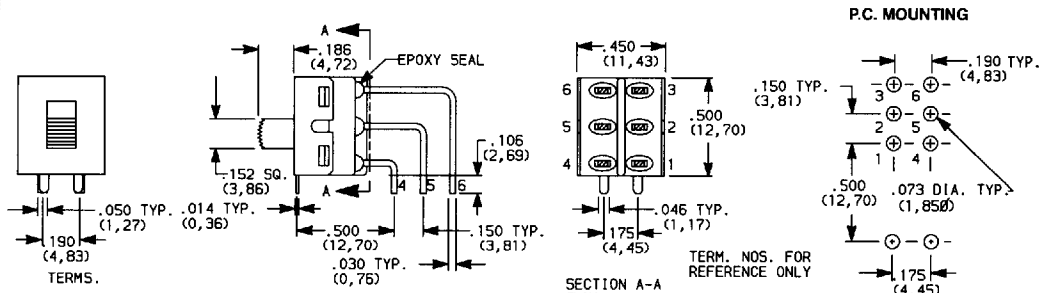


Option	DIM 'A'
AV1	.13 (3,3)
AV4	.22 (5,6)
AV5	.46 (11,7)

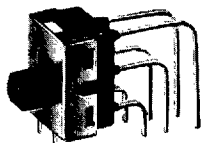
SPDT

Term. bend radii and lead-in mfg. option.
Actuator shown in pos.1.
B contact material std.
Not available with M1 mtg. style, I seal option.

AV2

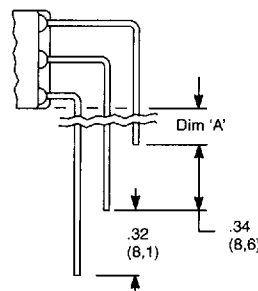


Part No. Shown: 1201M2S3AV2BE2



AV2

AV4-AV5 EXTENDED



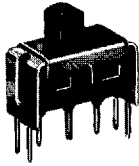
Option	DIM 'A'
AV4	.16 (4,1)
AV5	.40 (10,2)

DPDT

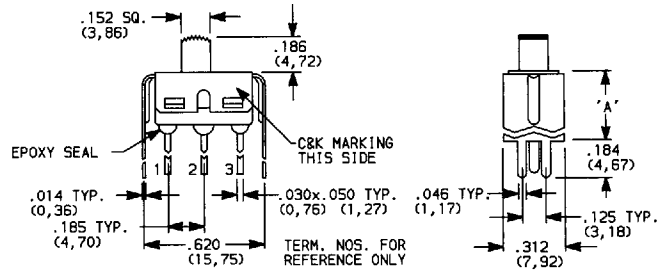
Term. bend radii and lead-in mfg. option.
Actuator shown in pos.1.
B contact material std.
Not available with M1 mtg. style, I seal option.

TERMINATIONS

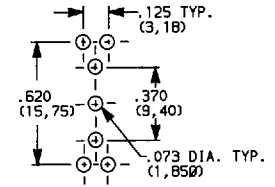
V3-V4



V3



PC MOUNTING



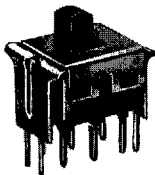
Option	DIM 'A'
V3	.350 (8,89)
V4	.525 (13,34)

SPDT

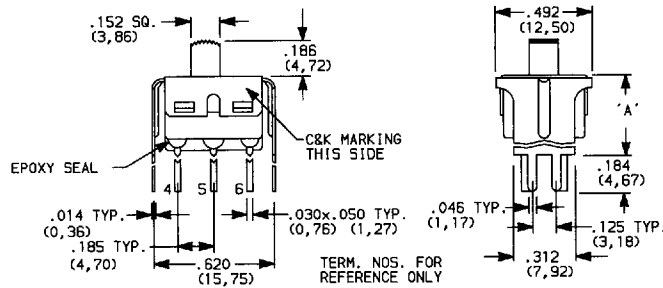
Actuator shown in pos.1.
B contact material std.
Not available with M1 mtg. style, I seal option.

Part No. Shown: 1101M2S3V_BE2

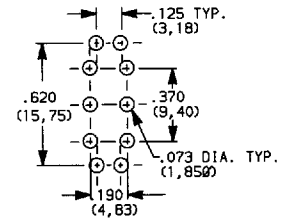
V3-V4



V3



PC MOUNTING



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

DPDT

Actuator shown in pos.1.
B contact material std.
Not available with M1 mtg. style, I seal option.

Part No. Shown: 1201M2S3V_BE2

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.
K		TIN-LEAD ⁶		
Q	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 CHART, PAGE X.

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.

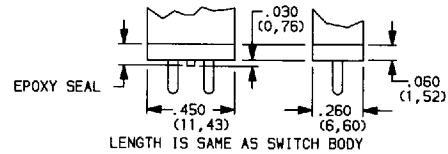
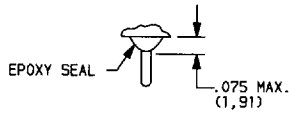
B contact material standard with all terminations except Z, C, Z3.
Q contact material standard with Z, C, Z3 terminations.

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

All models with all options when ordered with G, L, M or Q contact material. See pages AGENCY APPROVALS, page VIII.

SEAL

E (STD.)



Available with Z, C, Z3, W-W5 terminations only.

HOW TO ORDER

All available 1000 SERIES MINIATURE SLIDE SWITCH options are listed on page E-14, and are described on pages E-15 thru E-20. Switches with standard options are shown on page E-15. When selecting options and building a part number, some ordering format boxes may not be filled. Dashes, hyphens or spaces in the part number are not significant, and are shown for clarity only.

All models epoxy terminal seal, and are compatible with 'bottom wash' PC board cleaning methods. models available, see page E-15. No mounting hardware is supplied.

SPECIFICATIONS

- CONTACT RATING: 6 AMPS @ 120 V AC or 28 V DC.
3 AMPS @ 250 V AC (Q contact material).
- 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 milliohms typ. initial @ 2-4 V DC, 100 mA, for both silver and gold plated contacts.
- INSULATION RESISTANCE: 10^9 ohms min.
- DIELECTRIC STRENGTH: 1000 V RMS 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: Coin silver, silver plated (Q contact material).
- CENTER CONTACT & ALL TERMINALS: Copper alloy, silver plated (Q contact material).
- TERMINAL SEAL: Epoxy.

NOTE: Specifications and materials listed above are general specifications. Specifications available for specific and custom switches, consult factory.