#### Features/Benefits

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



## **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-16 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  $\Omega$  typ. initial @ 2-4 V DC, 100 mA, for both silver and gold plated contacts.

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

### Typical Applications

- **Telecommunications**
- Instrumentation
- Medical equipment



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).

#### For materials see page F-4.

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

NOTE: Specifications 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 F-4 thru F-16. For additional options not shown in catalog, consult our Customer Service Center.

#### **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

7305 3P Mom.-Off-Mom.

7308 3P On-None-Mom.

7401 4P On-None-On **7403** 4P On-Off-On

7405 4P Mom.-Off-Mom.

7408 4P On-None-Mom.

7411 4P On-On-On 7413 4P On-On-Mom.

7415 4P Mom.-On-Mom.

Note: UL/CSA models available,

#### Actuator

.200" high

P3 Flatted, anti-rotation, .450" high

.420" high

.687" high, 15/32 bushing

K2 Locking lever, .704" high

K9 Locking lever, .704" high

K12 Locking lever, .732" high

K19 Locking lever, .732" high

.840" high L1 .640" high

L1P Anti-rotation, .640" high

L2 .550" high

L2P Anti-rotation, .550" high

L3 Plastic .940" inch

L40 Lever handle without cap

L41 .531" high lever handle with cap L42 .838" high lever handle with cap

MP Anti-rotation, .200" high

Flatted, anti-rotation,

.840" high

Flatted, anti-rotation,

.250" high Anti-rotation, .420" high

T1 .487" high, 15/32 bushing

T1P Anti-rotation, .487" high, 15/32 bushing

T2P Flatted, anti-rotation, .610" high, 15/32 bushing,

Anti-rotation, .687" high, 15/32 bushing

# Bushing -

D .280 high, keyway

.296 high, flat

.350 high, keyway

NONE No bushing choice required

**CW** Splashproof

**D**8

.280" high, flat

**D**9 .280" high, keyway

.315" high, keyway **H3 H4** 

8mm high, keyway .378" high, keyway

**Y3** 8.9mm high, keyway

.378" high, flat

.350" high, keyway **Y9** 

#### **Terminations**

Right angle, PC thru-hole

Vert. right angle, PC thru-hole

PC Thru-hole C

.460 high, V-bracket **V**3

Solder lug

Right angle, PC thru-hole **A2** Right angle, PC thru-hole

**A3** Right angle, PC thru-hole **A4** 

AW1 Right angle, extended, PC thru-hole

AW4 Right angle, extended, PC thru-hole V2

.555" high, V-bracket **V**4

.630" high, V-bracket **V6** .460" high, V-bracket

**V7** .630" high, V-bracket

**V**8 .953" high, V-bracket

1.150" high, V-bracket **V9** 

V21 .555" high, snap-in V-bracket

V31 .460" high, snap-in V-bracket

V41 .630" high, snap-in V-bracket V71 .630" high, snap-in V-bracket V81 .953" high, snap-in V-bracket

.750" long, wire wrap

Z3 Quick connect

**Contact Material** 

Gold Seal

Gold, matte-tin

E Epoxy Q Silver Epoxy potted

base

Silver, matte-tin

Gold over silver

#### Gold over silver, matte-tin

## **Actuator Color/Finish**

NONE Bright chrome

2 Black

3 Red

S Satin chrome

#### **KXX Actuator Color/Finish**

#### **NONE** Natural aluminum

Black anodized aluminum Red anodized aluminum

#### Blue anodized aluminum

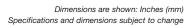
#### **Bushing Finish**

NONE Nickel on all bushings (except D8, satin chrome)

2 Black

W1 .964" long, wire wrap W3 .425" long, wire wrap

W4 1.062" long, wire wrap W5 1.305" long, wire wrap



www.ck-components.com





#### **Materials**

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

ACTUATOR: Brass, chrome plated. BUSHING: Brass or zinc, nickel plated.

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 F-15 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 above for additional contact materials.

TERMINAL SEAL: Epoxy.

HARDWARE: Nut & Locking Ring: Brass, nickel plated.

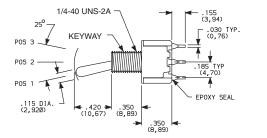
Lockwasher: Steel, nickel plated.

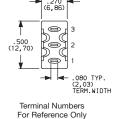
**NOTE:** Materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

#### **SWITCH FUNCTION** -----

			sw	/ITCH FUNCT	ION	CON	NECTED TERMI	NALS	
			POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
		UL/CSA**	KEYWAY 7	KEYWAY 7	KEYWAY 7	KEYWAY 7	KEYWAY 7	KEYWAY 7	
NO. POLES	MODEL NO.	MODEL NO.		<u> </u>					SCHEMATIC
	7101	U11	ON	NONE	ON	2-3	N/A	2-1	
	7103	U13	ON	OFF	ON				
SP	7105	U15	мом.	OFF	MOM.	2-3	OPEN	2-1	<b>●</b> 2 (COMM)
SP	7107	U17	ON	OFF	MOM.				1 ● 🕶 3
	7108	U18	ON	NONE	мом.	2-3	N/A	2-1	
	7109	U19	NONE	ON	мом.	N/A	2-3	2-1	SPDT

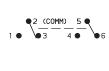
**SPDT** 



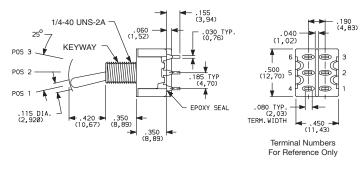


Part number shown: 7101SYZBE

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



**DPDT** 



Part number shown: 7201SYZQE

MOM. = Momentary

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

\*\* U11-U415 model nos. 🔊 🕦 🐠 with all options when ordered with G, R, Q or S contact material.





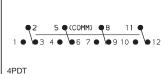
# SWITCH FUNCTION

CONNECTED TERMINALS

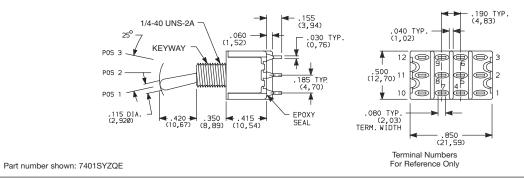
		II I							Ш		
			POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	1		
NO. POLES	MODEL NO.	UL/CSA** MODEL NO.	KEYWAY	KEYWAY 7	KEYWAY 7	KEYWAY 7	KEYWAY 7	KEYWAY 7		SCHEMATIC	
	7301	U31	ON	NONE	ON	2-3,5-6,8-9	N/A	2-1,5-4,8-7			
	7303	U33	ON	OFF	ON				• 2	5 <b>€</b> (COMM) 8 <b>€</b>	
3P	7305	U35	мом.	OFF	мом.	2-3,5-6,8-9	OPEN	2-1,5-4,8-7	1 • \_3	4 • 6 7 •	9
	7307	U37	ON	OFF	мом.						
	7308	U38	ON	NONE	мом.	2-3,5-6,8-9	N/A	2-1,5-4,8-7	3PDT		
3PDT		25 POS 3 — POS 2 — POS 1 — .115 D .2,920	KEYW	20 .350	4.415 ▶	.155 (3,94) 030 TYP. (0,76) 185 TYP (4,70) 185 TYP (4,70)	.080 TYP (2,03) TERM. WIDTH	650 - (16,51)	TYP. 3 2		
Part nu	mber shown: 7301	ISYZQE					Terminal For Refere				

	7401	U41	ON	NONE	ON	2-3,5-6,8-9,11-12	N/A	2-1,5-4,8-7,11-10	Γ
	7403	U43	ON	OFF	ON				
	7405	U45	мом.	OFF	мом.	2-3,5-6,8-9,11-12	OPEN	2-1,5-4,8-7,11-10	
4P	7408	U48	ON	NONE	мом.	2-3,5-6,8-9,11-12	N/A	2-1,5-4,8-7,11-10	
46	7411*	U411*	ON	ON	ON				
	7413*	U413*	ON	ON	мом.	2-3,5-6,8-9,11-12	2-3,5-4,8-9,11-10	2-1,5-4,8-7,11-10	
	7415*	U415*	мом.	ON	мом.				

SWITCH FUNCTION



4PDT



MOM. = Momentary

\*\* U11-U415 model nos.

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



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



cations and dimensions subject to chang

<sup>\*</sup> Wiring for 3-way switch, see Section N.

#### **ACTUATOR** 7-----

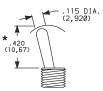
S .420" HIGH <sup>1</sup>

ANTIROTATION, .420" HIGH <sup>2,3</sup>

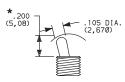
ANTIROTATION, .200" HIGH 2,3

M

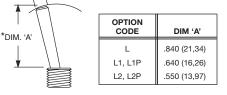
L, L1, L2 .840", .640", .550" HIGH <sup>1</sup> L1P, L2P ANTIROTATION, .840", .640", .550" HIGH <sup>2,3</sup>



S actuator standard when ordered with C, W-W5, Z & Z3 terminations. Caps are available separately, see page F-16.



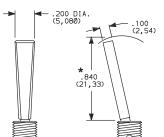
M actuator standard when ordered with all terminations except C, W-W5, Z & Z3 Caps are available separately, see page F-16.



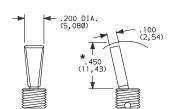
Caps are available separately, see page F-16.

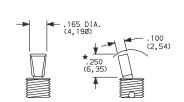
FLATTED WITH ANTIROTATION. .250" HIGH <sup>2,3</sup>

FLATTED WITH ANTIROTATION. .840" HIGH <sup>2,3</sup>



FLATTED WITH ANTIROTATION. .450" HIGH <sup>2,3</sup>

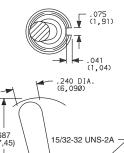


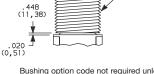


Dress nut part number 709901201 supplied standard with threaded bushing. (Part number 709903201 with metric threaded bushings.)

T .687 (17,45) HIGH 1,2

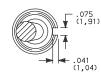
**TP** ANTIROTATION, .687 (17,45) HIGH, 15/32 BUSHING 1,2,3

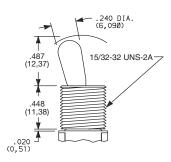




**T1** .487 (12,37) HIGH 1,2

ANTIROTATION, .487 (12,37) HIGH, 15/32 BUSHING 1,2,3



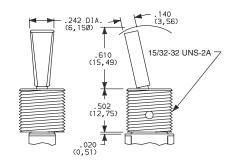


Bushing option code not required unless CW splashproof bushing ordered. TP & T1P actuators not available with CW splashproof bushing. All TXX actuators not available on single pole models with A-A4, AW1-AW4 terminations.

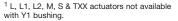
T<sub>2</sub>P

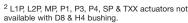
FLATTED, ANTIROTATION, .610" HIGH, 15/32 BUSHING 1,2,3





Bushing option code not required. T2P actuator not available with CW splashproof bushing or single pole models with A-A4 AW1-AW4 terminations





<sup>&</sup>lt;sup>3</sup> Antirotation: Provides anti-'push-in' feature on

<sup>\*</sup> Add .070 (1,78) for D, D8 & D9 bushings, subtract .020 (0,51) for H3 bushing.

OPTION CODE	ACTUATOR FINISH
NONE	BRIGHT CHROME-With Nickel Plated Bushing
2	BLACK
S	SATIN CHROME

NOTE: Black hardware is supplied when either black actuators or bushings are specified. For additional hardware, see Section N.





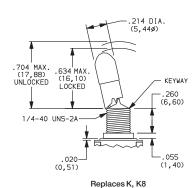
# ACTUATOR ACTUATOR FINISH/COLOR

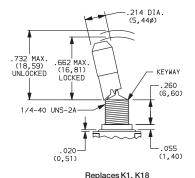
K2 LOCKING LEVER, .704" HIGH (threaded)

LOCKING LEVER, .704" HIGH (unthreaded)

K12 LOCKING LEVER, .732" HIGH (threaded)

K19 LOCKING LEVER, .732" HIGH (unthreaded)





OPTION CODE	ACTUATOR CAP FINISH
NONE	NATURAL ALUMINUM-With Nickle Plated Bushing
2	BLACK ANODIZED ALUMINUM
3	RED ANODIZED ALUMINUM
7	BLUE ANODIZED ALUMINUM

Locking Positions







-05, -09 & -15 Models 1 Position lock



-07 & -13 Models 2 Position lock



-08 Models 1 Position lock

**NOTE:** To prevent accidental actuation, toggle must be lifted before being actuated. When released, toggle will lock in place. Overtightening mounting nut may cause actuator to bind.

Locking levers supplied with bushing shown.

Bushing option code not required unless CW splashproof bushing ordered.

-01 Models 2 Position lock -03 & -11 Models 3 Position lock

LEVER HANDLE WITHOUT CAP

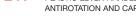
- -

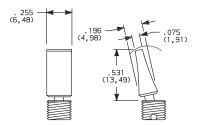
PLASTIC LEVER HANDLE WITH ANTIROTATION AND CAP, P/N 4810 L42

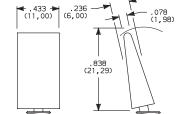
PLASTIC LEVER HANDLE WITH ANTIROTATION AND CAP, P/N 4811







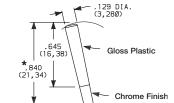




Finish: Matte (L41 & L42).

No color choice required

PLASTIC .940" HIGH



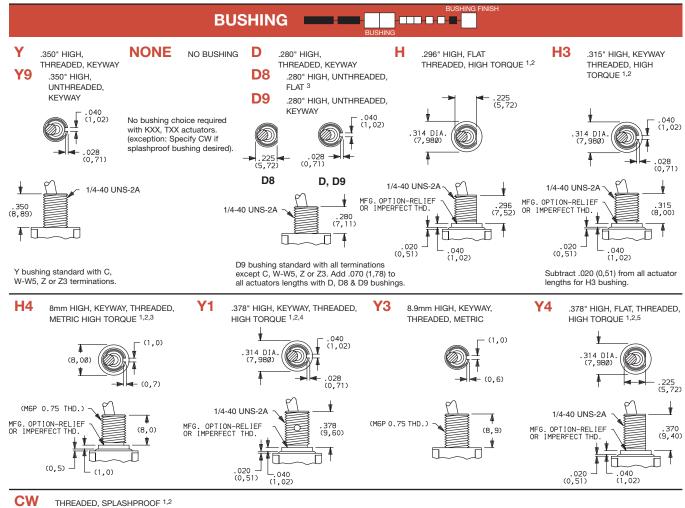
* Add .070 (1,78) for D, D8 & D9 bushings,
subtract .020 (0,51) for H3 bushing.

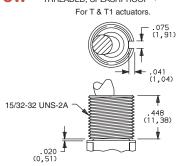
OPTION CODE	PLASTIC ACTUATOR COLORS
NONE	No Actuator Color (L40 option)
2	BLACK
3	RED

**NOTE:** Lever handle for L41 & L42 actuators supplied, but not installed. For interchangeability, order L40 actuator option and lever handles separately, see page F-16. L4X actuators not available with H4, Y1, Y4 bushings. Antirotation: Provides anti-'push-in' feature on actuator.



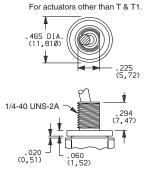






IP67 Degree of protection, totally protected against dust, full-scale voltage protection, temporary immersion. Internal actuator seal standard.

External bushing seal available separately from APM Hexseal, part # MFS-60064.

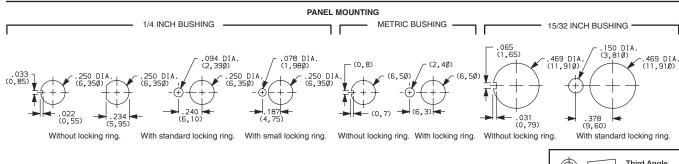


IP67 Degree of protection, totally protected against dust, full-scale voltage protection, temporary immersion. Internal actuator seal and external bushing seal washer standard.

OPTION CODE	BUSHING FINISH
NONE	NICKEL on all bushings except 'D8' satin chrome.
2	BLACK

- <sup>1</sup> Will withstand 12 in.-lbs. of torque with no distortion.
- $^2$  CW. H, H3, H4, Y1 & Y4 bushings not available on single pole models with A4 terminations.
- $^{\rm 3}$  D8 & H4 bushings available only with L, L1, L2, M & S actuators.
- $^4$  Y1 bushing available only with LXP, MP, PX & SP actuators.
- <sup>5</sup> Y4 bushing not available with L4X actuators.

**NOTE:** Two mounting nuts, locking ring and lockwasher supplied standard with threaded bushings. Black hardware is supplied when either black bushings or actuators are specified. Optional mounting nut and locking ring styles and finishes available, see Section N.



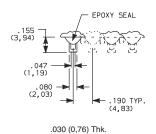


Dimensions are shown: Inches (mm) Specifications and dimensions subject to change

oggle

# **Miniature Toggle Switches**

### SOLDER LUG



SPDT thru 4PDT

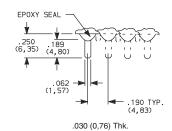
Not available with P, R or S contact materials.

#### **SPDT thru 4PDT**

TERMINATIONS ----

# EPOXY SEAL PC MOUNTING .250 .189 (6,35) (4,80) .190 TYP. (4,83) .⇔. -⇔- -⇔-.030 THK. (0,76) .190 TYP.

#### **Z**3 QUICK CONNECT

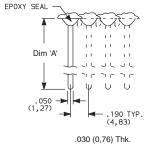


**SPDT thru 4PDT** 

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

PC THRU-HOLE

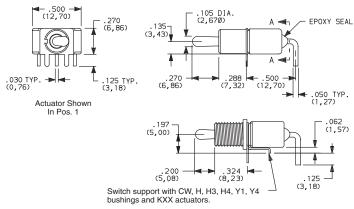
W, W1, W3, W4, W5 WIRE WRAP



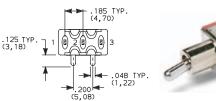
OPTION CODE	DIM 'A'
w	.750 (19,05)
W1	.964 (24,48)
W3	.425 (10,80)
W4	1.062 (26,97)
W5	1.305 (33,15)

### SPDT thru 4PDT

#### RIGHT ANGLE, PC THRU-HOLE



Part No. Shown: 7101MHABE

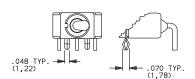


SECTION A-A Terminal Nos. For Reference Only

7101MD9ABE Horizontal Actuation

**SPDT** 

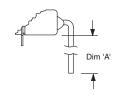
# RIGHT ANGLE, SNAP-IN, PC THRU-HOLE



Not available with I seal option.
Terminal bend radii and lead-in manufacturing option.

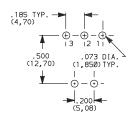
### **AW1, AW4**

RIGHT ANGLE, EXTENDED, PC THRU-HOLE



DIM 'A'
.72 (18,3)
.83 (21,1)

#### PC MOUNTING





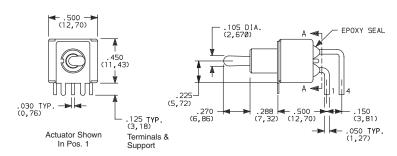


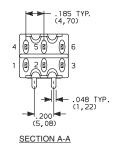
# TERMINATIONS ----

A RIGHT ANGLE, PC THRU-HOLE



7201MD9ABE
Horizontal Actuation **DPDT** 

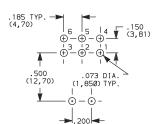




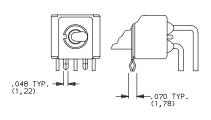
A3 RIGHT ANGLE, SNAP-IN, PC THRU-HOLE

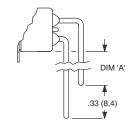
**AW1, AW4** 

RIGHT ANGLE, EXTENDED, PC THRU-HOLE



PC MOUNTING





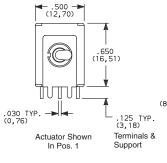
CODE	DIM 'A'
AW1	.40 (10,2)
AW4	.50 (12,7)

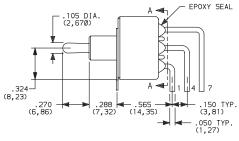
Not available with I seal option. Terminal bend radii and lead-in manufacturing option.

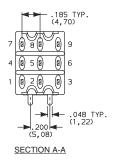
A RIGHT ANGLE, PC THRU-HOLE



7301MD9ABE Horizontal Actuation **3PDT** 

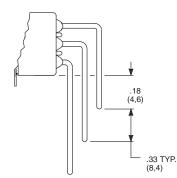






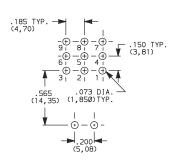
AW4

RIGHT ANGLE, EXTENDED, PC THRU-HOLE

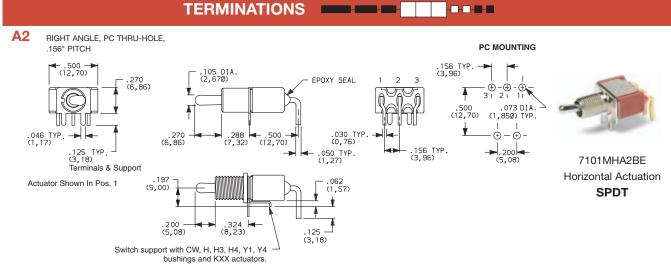


Not available with I seal option. Terminal bend radii and lead-in manufacturing option.

### PC MOUNTING

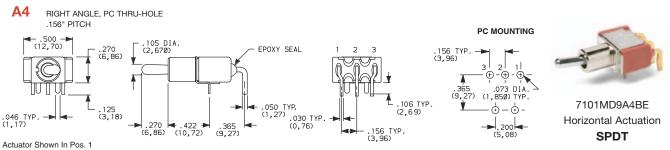






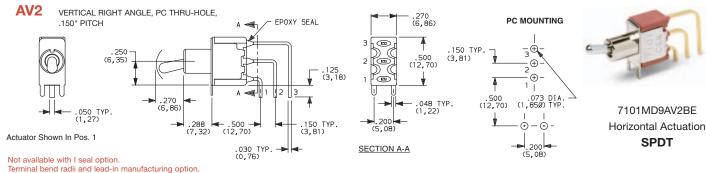
Not available with TXX actuators and I seal. Terminal bend radii and lead-in manufacturing option.

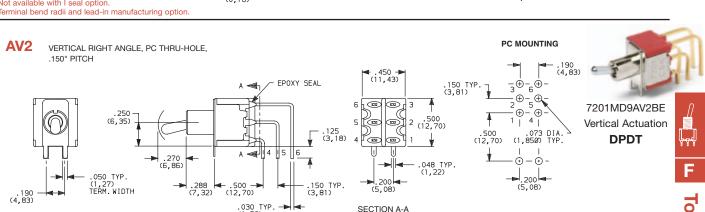
Part No. Shown: 7101MHA2BE



Not available with KXX & TXX actuators, CW, H, H3, H4, Y1 & Y4 bushings, and I seal. Terminal bend radii and lead-in manufacturing option.

**NOTE:** The A4 option is available with any contact material and can be UL recognized and CSA certified. The PC pattern must clear switch support legs.





Not available with I seal option.

Terminal bend radii and lead-in manufacturing option.



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

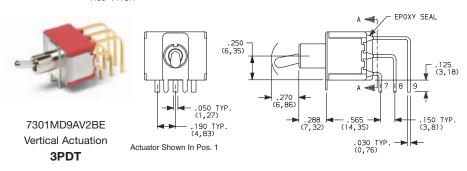


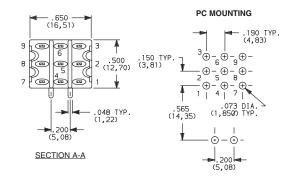
Actuator Shown In Pos. 1

### TERMINATIONS ----

AV2

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

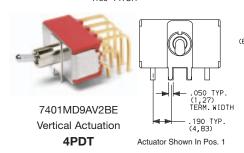




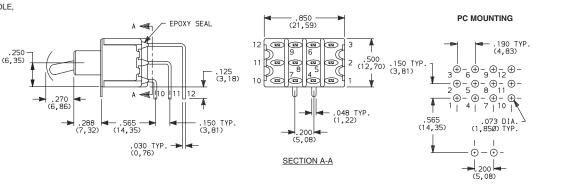
Not available with I seal option. Terminal bend radii and lead-in manufacturing option.

AV2

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



Not available with I seal option. Terminal bend radii and lead-in manufacturing option.

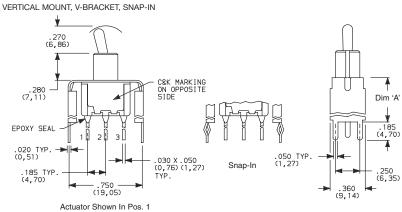


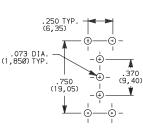
V2, V6, V7, V8 V21, V71, V81

VERTICAL MOUNT, V-BRACKET









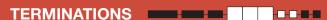
PC MOUNTING

OPTION CODE	DIM 'A'
V2, V21	.555 (14,10)
<b>V</b> 6	.460 (11,68)
V7, V71	.630 (16,00)
V8, V81	.953 (24,21)

Not available with I seal option.









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

PC MOUNTING

DIM 'A'

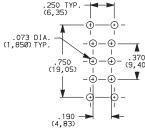
.555 (14,10)

.460 (11,68)

.630 (16,00)

.953 (24,21)

PC MOUNTING



OPTION CODE

V2, V21

V6, V61

V7, V71

V8, V81



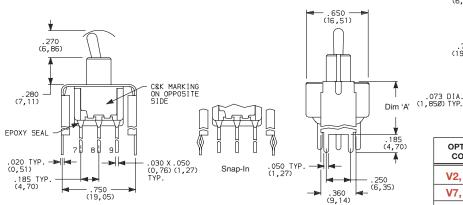
7201MD9\_BE **DPDT** 

	- C&K MARKING ON OPPOSITE SIDE  .030 X .050 (0,76) (1,27) TYP.	.050 TYP
Actuator Shown In Pos. 1		

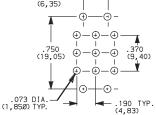
Not available with I seal option.

V21, V71, V81

V2, V7, V8 VERTICAL MOUNT, V-BRACKET



VERTICAL MOUNT, V-BRACKET, SNAP-IN





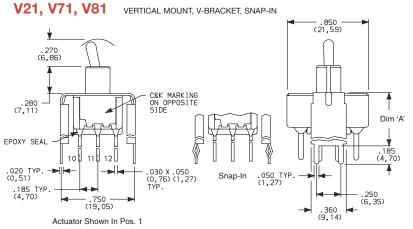
7301MD9\_BE **3PDT** 

OPTION CODE	DIM 'A'
V2, V21	.555 (14,10)
V7, V71	.630 (16,00)
V8, V81	.953 (24,21)

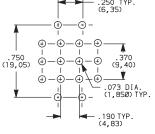
Not available with I seal option.

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

Actuator Shown In Pos. 1



# PC MOUNTING



OPTION CODE	DIM 'A'
V2, V21	.555 (14,10)
V7, V71	.630 (16,00)
V8, V81	.953 (24,21)



7401MD9\_BE **4PDT** 

Not available with I seal option.

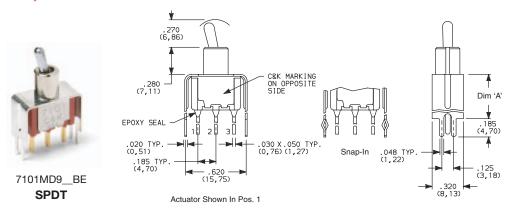


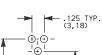


# TERMINATIONS ----

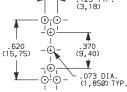
V3, V4, V9 VERTICAL MOUNT, V-BRACKET

V31. V41 VERTICAL MOUNT, V-BRACKET, SNAP-IN





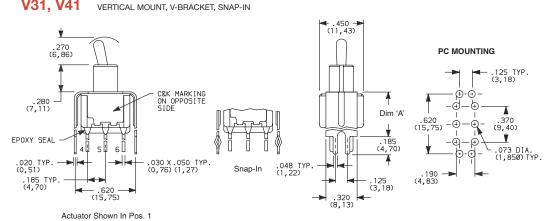
PC MOUNTING



OPTION CODE	DIM 'A'
V3, V31	.460 (11,68)
V4, V41	.630 (16,00)
V9	1.150 (29,21)

Not available with I seal option.

V3, V4, V9 VERTICAL MOUNT, V-BRACKET





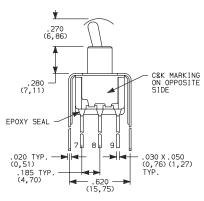
7201MD9\_BE **DPDT** 

OPTION CODE	DIM 'A'
V3, V31	.460 (11,68)
V4, V41	.630 (16,00)
<b>V</b> 9	1.150 (29,21)

Not available with I seal option.

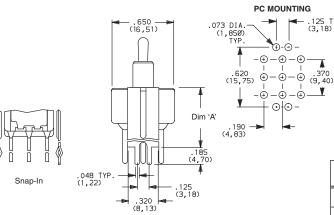
VERTICAL MOUNT, V-BRACKET

VERTICAL MOUNT, V-BRACKET, SNAP-IN



Actuator Shown In Pos. 1

Not available with I seal option.



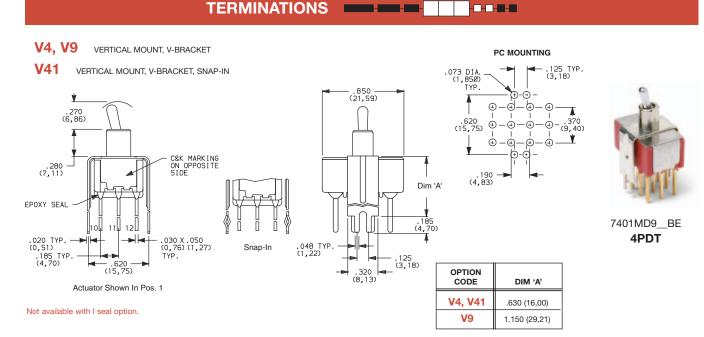


7301MD9\_BE 3PDT

OPTION CODE	DIM 'A'
V4, V41	.630 (16,00)
V9	1.150 (29,21)







CONTACT MATERIAL	CONTACT MATERIAL		
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OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING		RATINGS
В	GOLD <sup>1</sup>	GOLD <sup>1</sup>	LOW LEVEL/	
P	GOLD	MATTE-TIN <sup>6</sup>	DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
Q	SILVER 4,5	SILVER <sup>5</sup>	DOWED	5 11 PO 0 400 V 10 0D 00 V D0 0 11 PO 0 050 V 10
S	SILVER 4,0	MATTE-TIN <sup>6</sup>	POWER	5 AMPS @ 120 V AC OR 28 V DC; 2 AMPS @ 250 V AC.
G	GOLD OVER	GOLD <sup>3</sup>	LOW LEVEL/DRY	0.4 VA MAX @ 20 V AC OR DC MAX. OR 5 AMPS @ 120 V AC
R	SILVER <sup>2,3</sup>	MATTE-TIN <sup>6</sup>	CIRCUIT OR POWER	OR 28 V DC; 2 AMPS @ 250 V AC.

<sup>\*</sup> Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

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

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











<sup>&</sup>lt;sup>1</sup> CONTACTS & TERMINALS: Copper alloy, with gold plate over nickel plate.

 $<sup>^{2}\ \</sup>mbox{END}$  CONTACTS: Coin silver, with gold plate over nickel plate.

<sup>&</sup>lt;sup>3</sup> CENTER CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.

<sup>&</sup>lt;sup>4</sup> END CONTACTS: Coin silver, silver plated.

 $<sup>^{\</sup>rm 5}$  CENTER CONTACT & ALL TERMINALS: Copper alloy, silver plated.

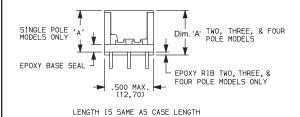
<sup>&</sup>lt;sup>6</sup> TERMINALS: Copper alloy, with matte tin alloy nickel plate.

#### **SEAL** ----

EPOXY SEAL



EPOXY POTTED BASE



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

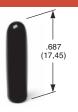
Compatible with "bottom-wash" PC board cleaning methods

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

## AVAILABLE HARDWARE

Cap





Cap



PART NO.

896801000 WHITE 896802000 BLACK 896803000 RED

Material: Polyethylene

763701000

Finish: Matte



Finish: Matte

PART NO.

763702000 BLACK 763703000 RED

Material: Vinyl

PART NO.

706201000 WHITE 706202000 BLACK 706203000 RED

Material: Vinyl

Finish: Matte

L41 Lever handle



L42 Lever handle



Fits Z3 Termination



PART NO.

481001000 WHITE 481002263 BLACK 481003000

Material: Nylon Finish: Matte

PART NO.

481101000 WHITE 481102263 BLACK 481103000

Material: Nylon Finish: Matte

PART NO. 530100000

Available in loose pieces.

NOTE: Additional nuts, locking rings and lockwashers available separately, see Section N.

Other colors available, consult Customer Service Center.



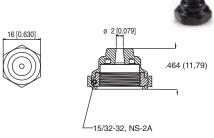
NOTE: For use with S actuator style when combined with D, H, H3, Y, and Y4 bushings

703D02000 Sealing Boot



NOTE: For use with T and TP style actuators.

704D02000 Sealing Boot



NOTE: For use with T, TP and T2P style actuators. Can not be used for Switch Functions: 7103, 7203, 7303, 7403, 7107, 7207, 7307, and 7407.



