

# The Gemini Series

## "A" Series Toggles 5 Amp

Refer to Pages C32-C36 for Additional Options

### "A" SERIES DESIGN FEATURES

- Meets CSA Requirements
- Toggle – Machined brass, heavy nickel plated.
- Bushing & Frame – Rigid one-piece die cast, copper flashed, heavy nickel plated.
- Fixed Contact – Welded construction, selective placement of precious metal. (Gold or silver.)
- Movable Contact – "Captured" design eliminates possibility of displacement due to shock. (01 function.)
- Terminal Seal – Epoxy sealing of terminals is standard.
- Termination – Precious metal(or silver)/brass or copper strip with welded contact area.
- Case – DAP for electrical performance and mechanical strength, UL94VO.

### MATERIAL SPECIFICATIONS:

Contacts.....Gold/gold flash  
Silver/tin lead  
Case Material .....Thermoset  
Terminal Seal.....Epoxy

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature.....-20°C to +85°C (-4°F to +185°F)  
Storage Temperature.....-45°C to +100°C (-49°F to +212°F)  
Solder Heat Resistance .....See page M6-7

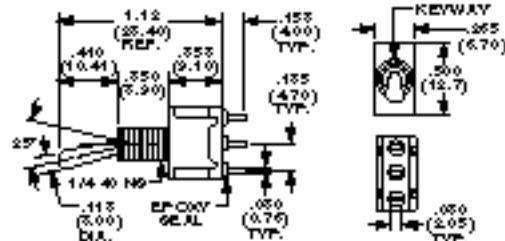
### TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating .....Gold: 0.4 VA @ 20 VAC/DC  
Silver: 2 A @ 250 VAC: 5 A @ 125 VAC  
Initial Contact Resistance.....30 Milliohms max.  
Contact Timing .....Break before make  
Insulation Resistance .....1,000 Megohms @ 500 VDC.  
Dielectric Strength .....1,000 Volts RMS @ sea level  
Actuation Force.....Momentary: 950 Grams max.  
Plunger/Actuator Travel .....Maintained: 1750 Grams max. 25°  
Life Expectancy .....30,000 Cycles

### SPDT



A101SYZQ

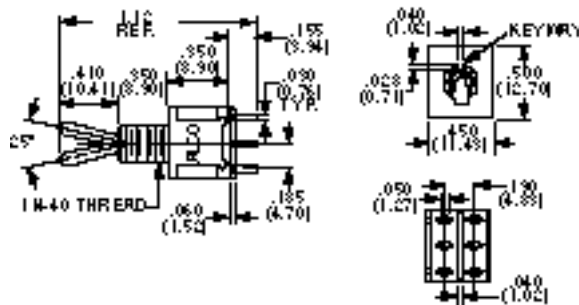


Model	Type	Act. Code	P.M8			
<b>Silver Contacts</b>						
A101SYZQ	SPDT	1	On	None	On	
A103SYZQ	SPDT	5	On	Off	On	
A105SYZQ	SPDT	5	(On)	Off	(On)	
A107SYZQ	SPDT	5	On	Off	(On)	
A108SYZQ	SPDT	1	On	None	(On)	
<b>Gold Contacts</b>						
A101SYZB	SPDT	1	On	None	On	
A103SYZB	SPDT	5	On	Off	On	
A105SYZB	SPDT	5	(On)	Off	(On)	
A107SYZB	SPDT	5	On	Off	(On)	

### DPDT



A201SYZQ



Model	Type	Act. Code	P.M8			
<b>Silver Contacts</b>						
A201SYZQ	DPDT	2	On	None	On	
A203SYZQ	DPDT	6	On	Off	On	
A205SYZQ	DPDT	6	(On)	Off	(On)	
A207SYZQ	DPDT	6	On	Off	(On)	
A208SYZQ	DPDT	2	On	None	(On)	
A211SYZQ	DP3T	11	On	On	On	
A213SYZQ	DP3T	11	On	On	(On)	
A215SYZQ	DP3T	11	(On)	On	(On)	




## "A" Series Toggles **The Gemini Series**

SEE PAGE C24 FOR PRODUCT SPECIFICATIONS

SPDT/DPDT



A101SYAB  
Horizontal Actuation

Gold Contacts			  			
Model	Type	Act. Code	P.M8			
A101SYAB	SPDT	1	On	None	On	
A103SYAB	SPDT	5	On	Off	On	
A201SYAB	DPDT	2	On	None	On	
A208SYAB	DPDT	2	On	None	(On)	


SPDT/DPDT



A101SYCB



A201SYCB

Gold Contacts					
Model	Type	Act . Code P.M8			
A101SYCB	SPDT	1	On	None	On
A103SYCB	SPDT	5	On	Off	On
A108SYCB	SPDT	1	On	None	(On)
A201SYCB	DPDT	2	On	None	On
A203SYCB	DPDT	6	On	Off	On
A208SYCB	DPDT	2	On	None	(On)

### Need more technical information?

Contact your local ABE office--(800) 453-1692--or [AboveBoardElectronics.com](http://AboveBoardElectronics.com).

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# The Gemini Series

## "A" Series Toggles "Wire Wrap/Wire Lug"

Refer to Pages C32-C36 for Additional Options

SEE PAGE C24 FOR PRODUCT SPECIFICATIONS

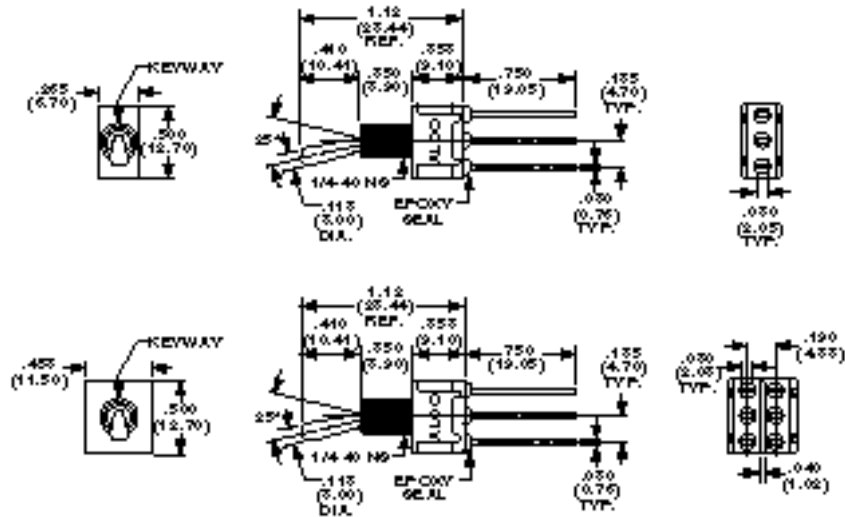
### SPDT/DPDT



A101SYWQ



A201SYWQ



Silver Contacts Model	Type	Act . Code P. M8	On	None	On
A101SYWQ	SPDT	1	On	None	On
A103SYWQ	SPDT	5	On	Off	On
A201SYWQ	DPDT	2	On	None	On
A203SYWQ	DPDT	6	On	Off	On

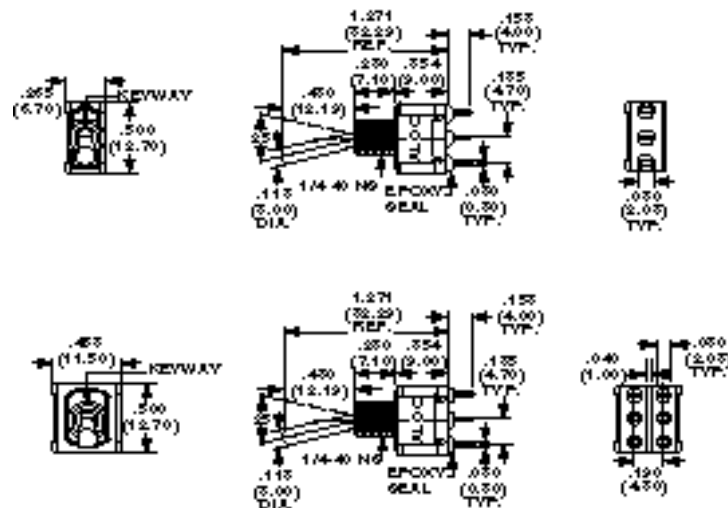
### SPDT/DPDT



A101SDZQ



A201SDZQ



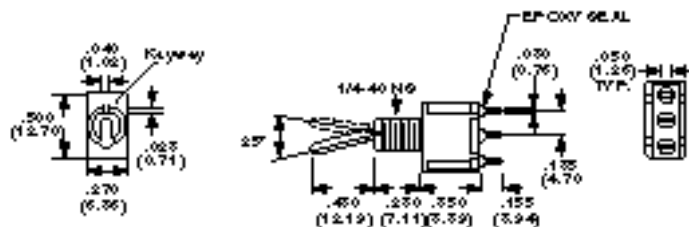
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A103SDZQ	SPDT	5	On	Off	On
A201SDZQ	DPDT	2	On	None	On
A203SDZQ	DPDT	6	On	Off	On

"A" Series Toggles  
Refer to Pages C32-C36 for Additional Options

# The Gemini Series

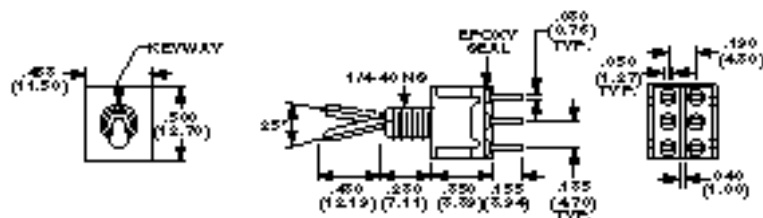
SEE PAGE C24 FOR PRODUCT SPECIFICATIONS

SPDT



A101SDCQ

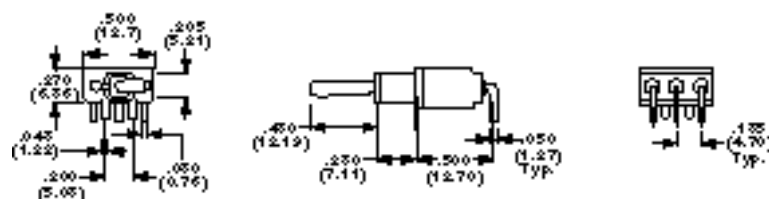
DPDT



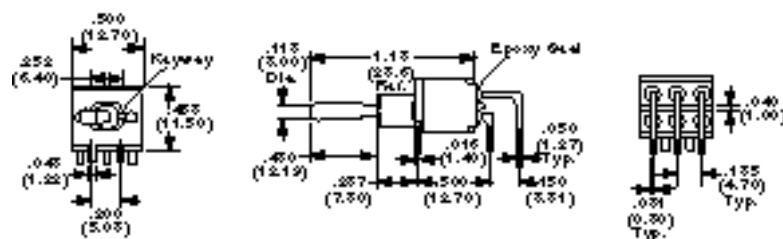
A201SDCQ

Silver Contacts Model	Type	Act. Code	P. M8	
A101SDCQ	SPDT	1	On None On	
A103SDCQ	SPDT	5	On Off On	
A201SDCQ	DPDT	2	On None On	
A203SDCQ	DPDT	6	On Off On	
A208SDCQ	DPDT	2	On None (On)	

SPDT/DPDT



A101SD9AQ  
Horizontal Actuation



A201SD9AQ  
Horizontal Actuation

Silver Contacts Model	Gold Contacts Model	Type	Act. Code	P. M8	
A101SD9AQ	A101SD9AB	SPDT	1	On None On	
A103SD9AQ	A103SD9AB	SPDT	5	On Off On	
A108SD9AQ	A108SD9AB	SPDT	1	On None (On)	
A201SD9AQ	A201SD9AB	DPDT	2	On None On	
A208SD9AQ	A208SD9AB	DPDT	2	On None (On)	

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# The Gemini Series

## "A" Series Toggles 5 Amp "Locking Actuator"

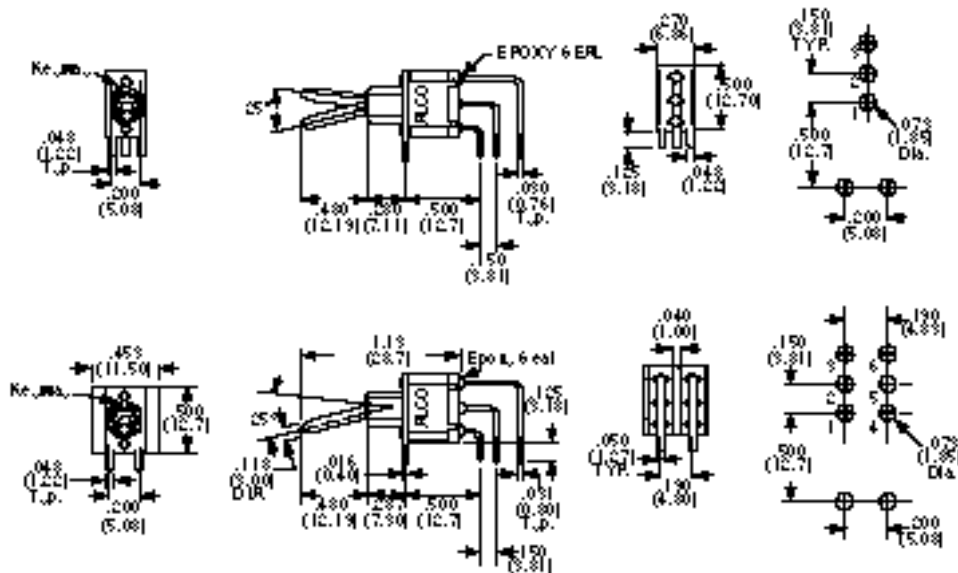
Refer to Pages C32-C36 for Additional Options

SEE PAGE C24 FOR PRODUCT SPECIFICATIONS

### SPDT



A101SD9AV2Q  
Vertical Actuation



### DPDT



A201SD9AV2Q  
Vertical Actuation

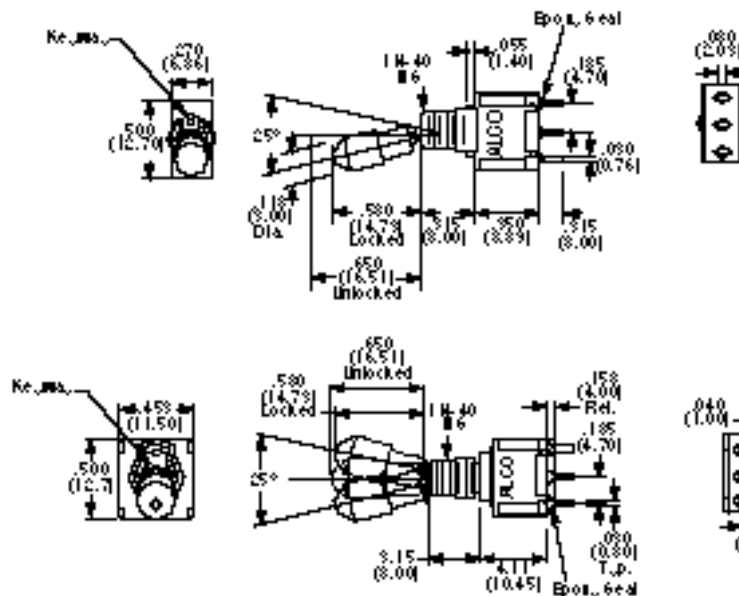
Silver Contacts Model	Type	Act. Code	P. M8	On	None	On
A101SD9AV2Q	SPDT	1		On	None	On
A103SD9AV2Q	SPDT	5		On	Off	On

Silver Contacts Model	Type	Act. Code	P. M8	On	None	On
A201SD9AV2Q	DPDT	2		On	None	On
A203SD9AV2Q	DPDT	6		On	Off	On
A208SD9AV2Q	DPDT	2		On	None	(On)

### SPDT



A101KZQ



### DPDT



A201KZQ

Silver Contacts Model	Type	Act. Code	P. M8	On	None	On
A101KZQ	SPDT	1		On	None	On
A103KZQ	SPDT	5		On	Off	On

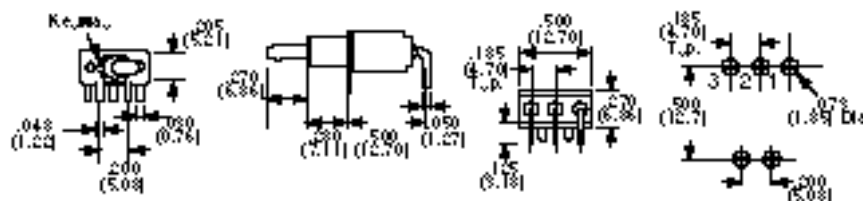
Gold Contacts Model	Silver Contacts Model	Type	Act. Code	P. M8	On	None	On
A201KZB	A201KZQ	DPDT	2		On	None	On
A203KZB	A203KZQ	DPDT	6		On	Off	On
A205KZB	A205KZQ	DPDT	6		(On)	Off	(On)
A211KZB	A211KZQ	SP3T	11		On	On	On

*"A" Series Toggles Right Angle*  
*Refer to Pages C32-C36 for Additional Options*

# The Gemini Series

## PRODUCT SPECIFICATIONS

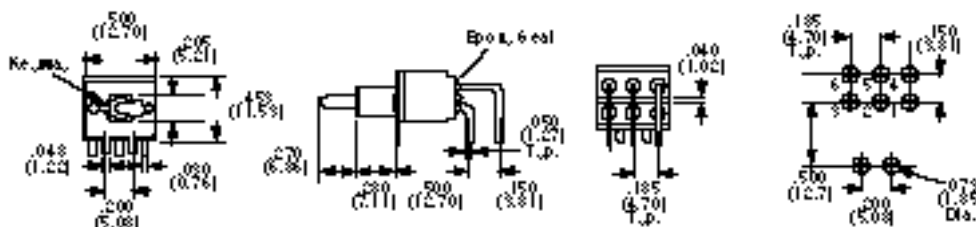
### SPDT



A101MD9AQ  
Horizontal Actuation

Silver Contacts Model	Gold Contacts Model	Type	Act. Code	P. M8			
A101MD9AQ	A101MD9AB	SPDT	1	On	None	On	
A103MD9AQ	A103MD9AB	SPDT	5	On	Off	On	
A108MD9AQ	A108MD9AB	SPDT	1	On	None	(On)	

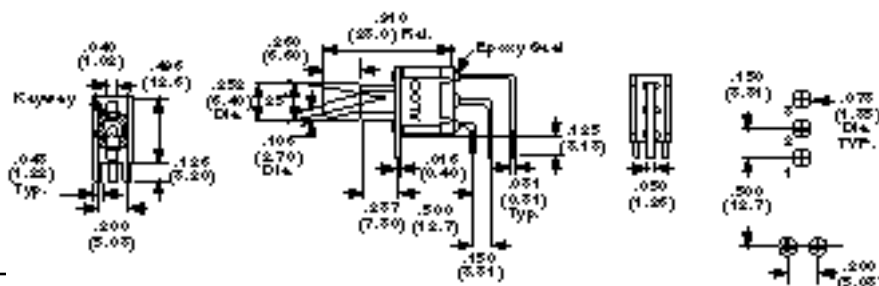
### DPDT



A201MD9AQ  
Horizontal Actuation

Silver Contacts Model	Gold Contacts Model	Type	Act. Code	P. M8			
A201MD9AQ	A201MD9AB	DPDT	2	On	None	On	
	A203MD9AB	DPDT	6	On	Off	On	

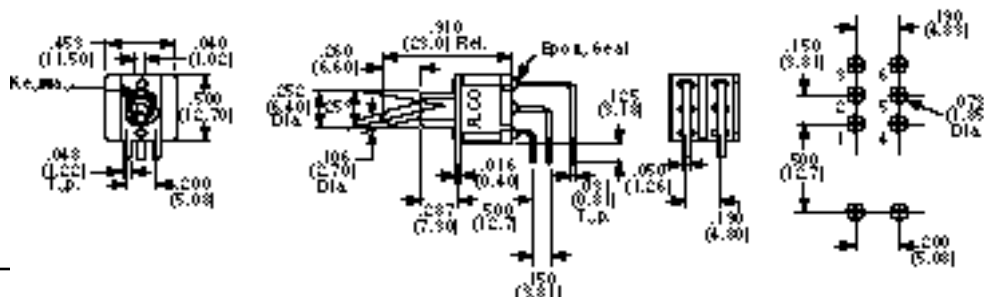
### SPDT



A101MD9AV2Q  
Vertical Actuation

Silver Contacts Model	Gold Contacts Model	Type	Act. Code	P. M8			
A101MD9AV2Q	A101MD9AV2B	SPDT	1	On	None	On	
A103MD9AV2Q	A103MD9AV2B	SPDT	5	On	Off	On	
A108MD9AV2Q		SPDT	1	On	None	(On)	

### DPDT



A201MD9AV2AQ  
Vertical Actuation

Silver Contacts Model	Model	Type	Act. Code	P. M8			
A201MD9AV2Q	A201MD9AV2B	DPDT	2	On	None	On	
A203MD9AV2Q	A203MD9AV2B	DPDT	6	On	Off	On	
A208MD9AV2Q	A208MD9AV2B	DPDT	2	On	None	(On)	

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# The Gemini Series

## "A" Series Toggles Flat Actuators/Wire Lug

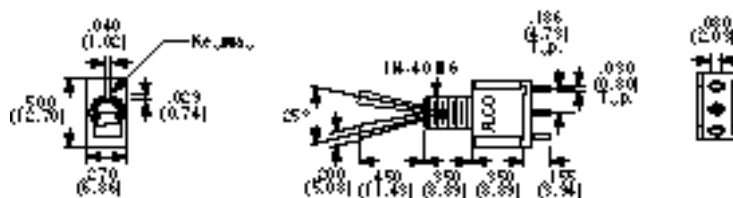
Refer to Pages C32-C36 for Additional Options

SEE PAGE C24 FOR PRODUCT SPECIFICATIONS

### SPDT



A101P3YZQ

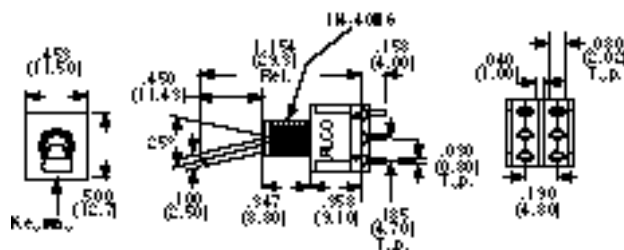


Model	Contacts	Type	Act. Code	P.M8	On	None	Off
A101P3YZQ	SPDT	1	On	None	On		
A103P3YZQ	SPDT	5	On	Off	On		
A105P3YZQ	SPDT	5	(On)	Off	(On)		
A107P3YZQ	SPDT	5	On	Off	(On)		
A108P3YZQ	SPDT	1	On	None	(On)		

### DPDT



A201P3YZQ

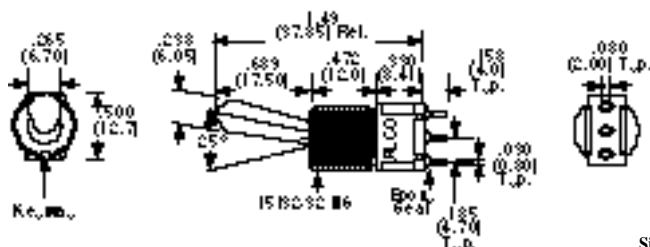


Model	Silver Contacts	Type	Act. Code	P.M8	On	None	Off
A201P3YZQ	DPDT	2	On	None	On		
A203P3YZQ	DPDT	6	On	Off	On		
A205P3YZQ	DPDT	6	(On)	Off	(On)		
A207P3YZQ	DPDT	6	On	Off	(On)		
A208P3YZQ	DPDT	2	On	None	(On)		
A211P3YZQ	SP3T	11	On	On	On		
A215P3YZQ	SP3T	11	(On)	On	(On)		

### SPDT



A101TZQ

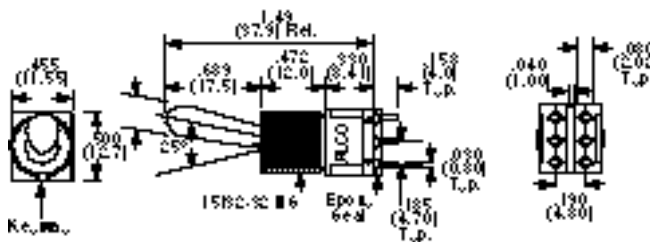


Model	Silver Contacts	Type	Act. Code	P.M8	On	None	Off
A101TZQ	SPDT	1	On	None	On		
A103TZQ	SPDT	5	On	Off	On		

### DPDT



A201TZQ









Model	Silver Contacts	Type	Act. Code	P.M8	On	None	Off
A201TZQ	DPDT	2	On	None	On		
A203TZQ	DPDT	6	On	Off	On		
A211TZQ	SP3T	11	On	On	On		

# The Gemini Series

SPDT



Silver Contacts						
Model	Type	Act. Code	P. M8			
A101T1ZQ	SPDT	1	On	None	On	
A103T1ZQ	SPDT	5	On	Off	On	
A105T1ZQ	SPDT	5	(On)	Off	(On)	
A108T1ZQ	SPDT	1	On	None	(On)	

Silver Contacts Model	Type	Act. Code	P. M8			
A201T1ZQ	DPDT	2	On	None	On	
A203T1ZQ	DPDT	6	On	Off	On	
A205T1ZQ	DPDT	6	(On)	Off	(On)	
A207T1ZQ	DPDT	6	On	Off	(On)	
A208T1ZQ	DPDT	2	On	None	(On)	
A211T1ZQ	SP3T	11	On	On	On	

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# The Gemini Series "A" Series Miniature Toggles

## FEATURES

Hardware supplied with threaded bushings: two hex nuts, one internal tooth lockwasher and one locking ring. (See Hardware Section for: dress nuts, plastic caps and environment boot seals.)

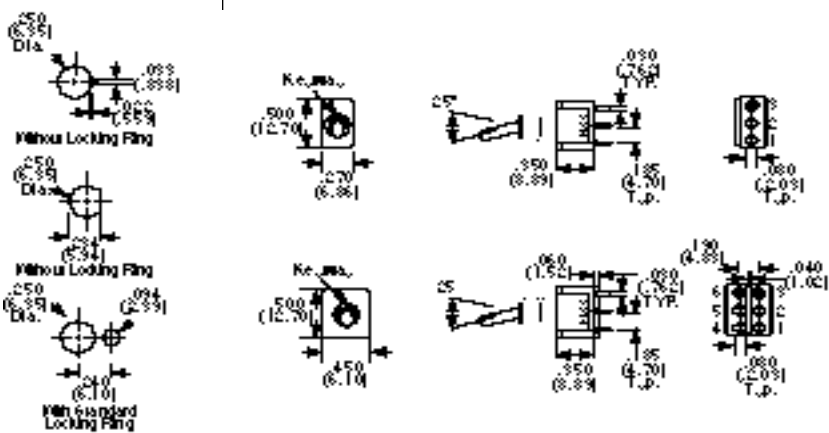
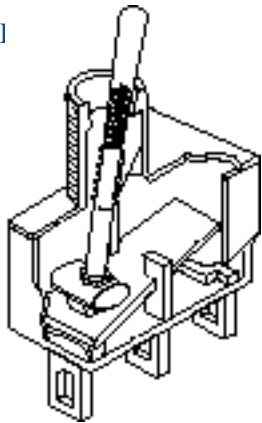
## TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating .....Silver: 2 A @ 250 VAC or 5 A @ 125 VAC  
Gold: 0.4 VA @ 20 VAC/DC max.  
Insulation Resistance .....1,000 Megohms min. @ 500 VDC.  
Dielectric Strength .....1,000 Volts RMS @ sea level initial  
Electrical Life .....30,000 Cycles

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature..... -20°C to + 85°C (-4°F to + 185°F)  
Storage Temperature.....-45°C to + 100°C (-49°F to + 212°F)

DESIGN



## PART NUMBERING

Model	Function	Toggle	Bushing	Terminal	Contact	K, K1: Cap Color	Option
<div><div>A1</div>Single Pole</div> <div><div>A2</div>Double Pole</div> <div><div>01</div>On-On</div> <div><div>03</div>On-Off-On</div> <div><div>05</div>(On)-Off-(On)</div> <div><div>07</div>On-Off-(On)</div> <div><div>08</div>On-(On)</div> <div><div>11</div>On-On-On</div> <div><div>13</div>On-On-(On)</div> <div><div>15</div>(On)-On-(On)</div>	<div><div>S</div>Bat. Long</div> <div><div>K</div>Locking</div> <div><div>K1</div>Locking</div> <div><div>L</div>Lever</div> <div><div>L1</div>Lever</div> <div><div>L2</div>Lever</div> <div><div>M</div>Bat. Short</div> <div><div>P3</div>Flatted (with Y only)</div> <div><div>P4</div>Flatted (with Y only)</div> <div><div>T</div>Large Toggle &amp; Bushing</div> <div><div>T1</div>Large Toggle &amp; Bushing</div> <div><div>T2P</div>Large Flatted Toggle and Bushing</div>	<div><div>Y</div>1/4-40 threaded, .35" long, slotted</div> <div><div>Y9</div>unthreaded, .35" long</div> <div><div>CW</div>1/4-40 threaded, .37" long, actuator &amp; bushing flange environmental seals</div> <div><div>D</div>1/4-40 threaded, .28" long, slotted</div> <div><div>D9</div>Unthreaded, .28" long</div> <div><div>H</div>1/4-40 threaded, flanged, .30" long</div>	<div><div>Z</div>Wire Lug</div> <div><div>A</div>Right Angle</div> <div><div>AV2</div>Vertical Right Angle</div> <div><div>C</div>Printed Circuit</div> <div><div>V30 V40 V90</div>Vertical Support</div> <div><div>V60 V70 V80</div>Bracket</div> <div><div>W W1 W3 W4 W5</div>Wire Wrap</div> <div><div>Z3</div>Quick Connect</div>	<div><div>Q</div>Silver</div> <div><div>B</div>Gold</div> <div><div>G</div>Gold over Silver</div>	<div><div>(Nickel Standard)</div></div> <div><div>0</div>Black</div> <div><div>2</div>Red</div> <div><div>U.L.(Q or G contact only)</div></div>	<div><div>Note: For surface mount termination, use the "TST" series, Page C8</div></div> <div><div>Other Options</div></div> <div><div>N</div>Black finish toggle, bushing and hardware. Add "N" to end of part number, but before U.L. option.</div> <div><div>O</div>Internal O-ring environmental actuator seal. Add letter after toggle option: S,M,L,L1 &amp; L2.</div> <div><div>P</div>Anti-Push-In/Anti rotate. Add letter after toggle S,M,L,L1 &amp; L2</div>	

See page C33 for SP3T wiring diagram.

See pages M2-M4 for application specific indexing.






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# "A" Series Miniature Toggles

## The Gemini Series

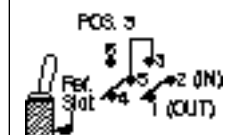
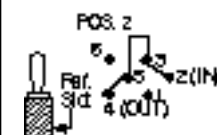
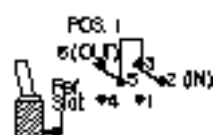
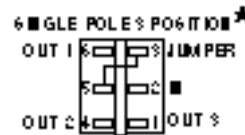
### FUNCTIONS

The following functions available in SP or DP.

					
<b>01</b>	2 Positions	None indicates no mechanical position	On	None	On
<b>03</b>	3 Positions		On	Off	On
<b>05</b>	3 Positions	Off indicates a mechanical position with no electrical connection.	(On)	Off	(On)
<b>07</b>	3 Positions		(On)	Off	On
<b>08</b>	2 Positions	(On) indicates momentary action.	(On)	None	On
	SPDT, connect terminals:		<b>1—2</b>	<b>—</b>	<b>2—3</b>
	DPDT, connect terminals:		<b>1—2</b> <b>4—5</b>	<b>—</b> <b>—</b>	<b>2—3</b> <b>5—6</b>
<b>11</b>	3 Positions		On	On	On
<b>13</b>	3 Positions		(On)	On	On
<b>15</b>	3 Positions		(On)	On	(On)
Functions available in DP only			Connect terminals:		
			<b>1—2</b> <b>4—5</b>	<b>2—3</b> <b>4—5</b>	<b>2—3</b> <b>5—6</b>
* SP3T functions achieved with external jumper installed by customer					

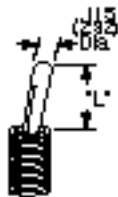
### WIRING DIAGRAM FOR FUNCTION:

**11** **13** **15**

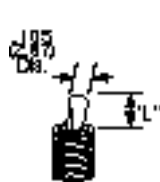


### TOGGLES

**S**  
Standard

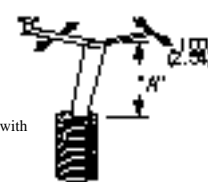


**M**  
Short

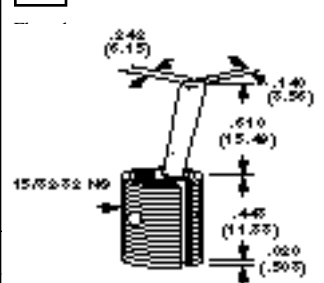


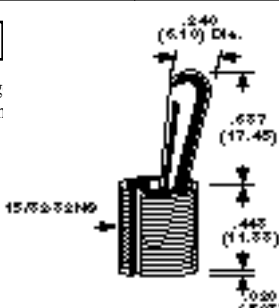
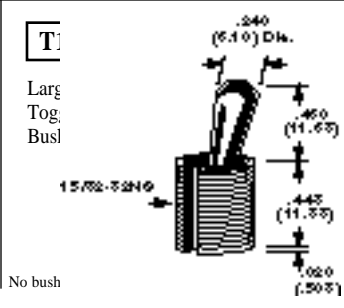
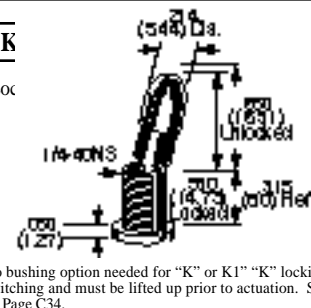
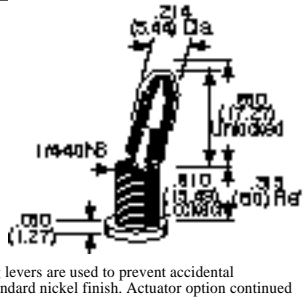
**P3**  
**P4**

Flatted  
Available only with  
"Y" bushing.  
Pinned for  
anti-rotation.  
Use N-3 dress nut  
for enhancement.



**T2P**



Dimension "L"	Bushing	Dimension "L"	Bushing Type	Actuator	Dimension "B"	
.410 (10.41) .480 (12.19)	"Y", "H", "CW" "D", "D9"	.200 (5.08) .270 (6.86)	"Y", "H", "CW" "D", "D9"	P3 P4	.450 (11.43) .250 (6.35)	.200 (5.08) .165 (4.19)
<b>T</b> Larg Busl		<b>T</b> Larg Tog. Busl		<b>K</b> Loc		

No bushing option needed for "K" or "K1" "K" locking levers are used to prevent accidental switching and must be lifted up prior to actuation. Standard nickel finish. Actuator option continued on Page C34.

Need more technical information?

Contact your local ABE office--(800) 453-1692--or AboveBoardElectronics.com.

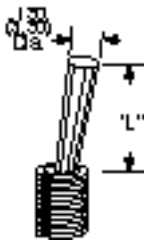
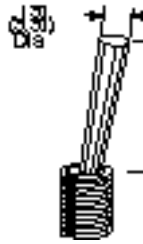
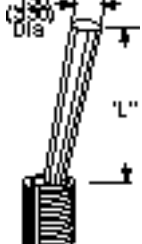
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# The Gemini Series

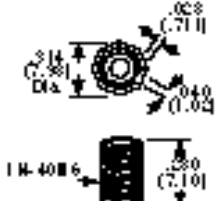
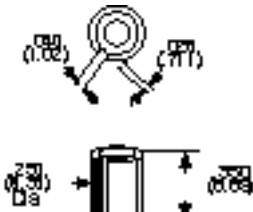
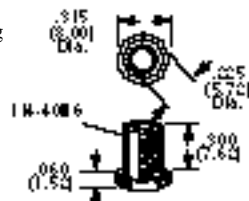
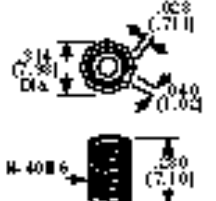
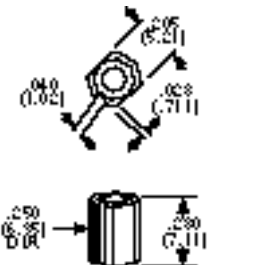
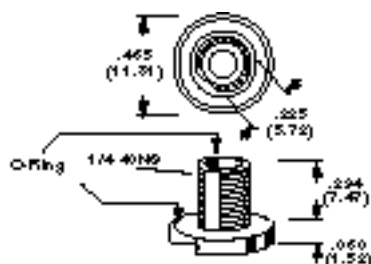
## "A" Series Miniature Toggles

### "Bushing / Terminal Options"

#### TOGGLES

<div data-bbox="87 268 147 317" data-label="Text"><b>L</b></div> <div data-bbox="87 327 142 352" data-label="Text">Lever</div> 	<div data-bbox="607 239 659 287" data-label="Text"><b>L1</b></div> <div data-bbox="607 296 659 321" data-label="Text">Lever</div> 	<div data-bbox="1083 239 1135 287" data-label="Text"><b>L2</b></div> <div data-bbox="1083 296 1135 321" data-label="Text">Lever</div> 
<div data-bbox="177 613 293 638" data-label="Text">Dimension "L"</div> <div data-bbox="396 613 456 638" data-label="Text">Bushing</div> <div data-bbox="193 642 485 684" data-label="Text"> <p>.840 (21.34) .910 (23.4)</p> <p>"Y", "H" "CW" "D", "D9"</p> </div>	<div data-bbox="667 613 784 638" data-label="Text">Dimension "L"</div> <div data-bbox="862 613 972 638" data-label="Text">Bushing Type</div> <div data-bbox="680 642 976 684" data-label="Text"> <p>.640 (16.26) .710 (18.03)</p> <p>"Y", "H" "CW" "D", "D9"</p> </div>	<div data-bbox="1102 613 1219 638" data-label="Text">Dimension "L"</div> <div data-bbox="1333 613 1443 638" data-label="Text">Bushing Type</div> <div data-bbox="1115 642 1430 684" data-label="Text"> <p>.550 (13.97) .620 (15.75)</p> <p>"Y", "H", "D", "D9"</p> </div>

#### BUSHINGS

<div data-bbox="87 764 147 812" data-label="Text"><b>Y</b></div> <div data-bbox="87 823 230 898" data-label="Text"> <p>1/4-40 Thread .35" long, slotted (Standard)</p> </div> 	<div data-bbox="591 714 643 762" data-label="Text"><b>D9</b></div> <div data-bbox="591 770 688 823" data-label="Text"> <p>Unthreaded .28" long</p> </div> <div data-bbox="721 726 972 936" data-label="Image">  </div> <div data-bbox="591 947 699 1020" data-label="Text"> <p>Used with Z, C &amp; W terminations</p> </div>	<div data-bbox="1083 714 1135 762" data-label="Text"><b>H</b></div> <div data-bbox="1083 770 1227 823" data-label="Text"> <p>1/4-40 Thread Flanged, .30" long</p> </div> 
<div data-bbox="87 1052 147 1100" data-label="Text"><b>D</b></div> <div data-bbox="87 1121 230 1173" data-label="Text"> <p>1/4-40 Thread .28" long, slotted</p> </div> 	<div data-bbox="721 1062 972 1325" data-label="Image">  </div> <div data-bbox="591 1314 708 1409" data-label="Text"> <p>Used with A, AV2, V30 V80 &amp; V90 terminations</p> </div>	<div data-bbox="1083 1052 1151 1100" data-label="Text"><b>CW</b></div> <div data-bbox="1083 1377 1252 1409" data-label="Text"> <p>For S &amp; M Toggles</p> </div> 

#### TERMINALS

**Z**

Wire Lug

Technical drawing of a wire lug. Dimensions include: .078 (1.93) for the top width, .155 (3.94) for the top thickness, .047 (1.19) for the side thickness, .030 (2.04) for the bottom width, and .078 (1.93) for the bottom thickness. An arrow points to the top surface with the text "Epoxy Seal".

**Z**

Quick Connect

Technical drawing of a quick connect. Dimensions include: .250 (6.35) for the top width, .062 (1.57) for the side thickness, .030 (7.62) for the bottom width, and .078 (1.93) for the bottom thickness. An arrow points to the top surface with the text "Epoxy Seal".

Mates with AMP  
61454 or 60900.

**W W1 W3 W4 W5**

Wire Wrap

Technical drawing of a wire wrap. Dimension "A" is indicated for the length of the wire. An arrow points to the top surface with the text "Epoxy Seal".

"A"	
W	.750
W1	.964
W3	.425
W4	1.062
W5	1.305

**C**

Single pole

Double pole

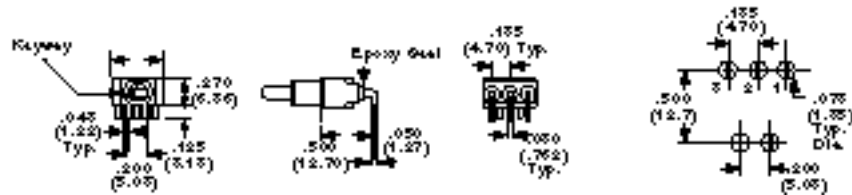
Technical drawing of a terminal. Dimensions include: .130 (4.03) for the top width, .030 (1.27) for the side thickness, .078 (1.93) for the bottom width, and .078 (1.93) for the bottom thickness. An arrow points to the top surface with the text "Epoxy Seal".

# "A" Series Miniature Toggles The Gemini Series

## TERMINALS

A

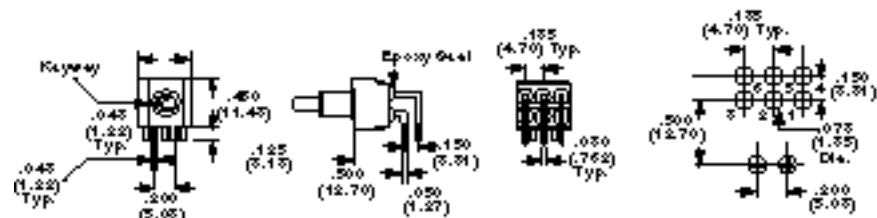
Right Angle  
Single Pole



Note: Terminal numbers viewed from top of P.C. boards.

A

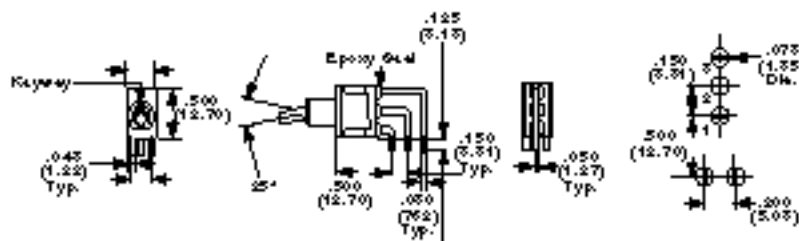
Right Angle  
Double Pole



Note: Terminal numbers viewed from top of P.C. boards.

AV2

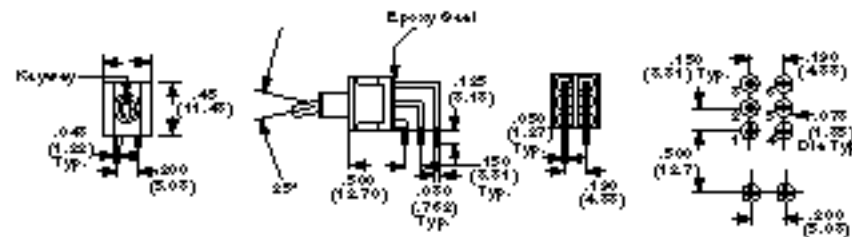
Vertical Right Angle  
Single Pole



Note: Terminal numbers viewed from top of P.C. boards.

AV2

Vertical Right Angle  
Double Pole



Note: Terminal numbers viewed from top of P.C. boards.

Need more technical information?

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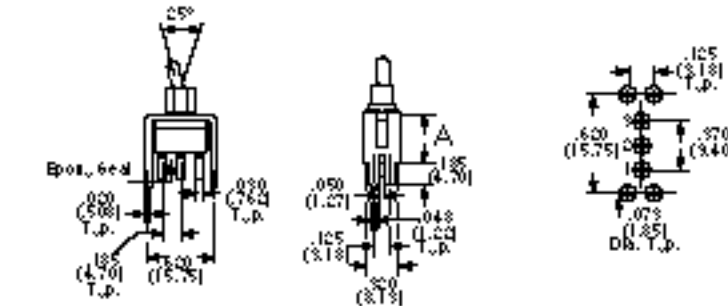
# The Gemini Series "A" Series Miniature Toggles "5 Amp"

## Terminal Options

**TERMINALS** NOTE: Terminal numbers viewed from top of P.C. board

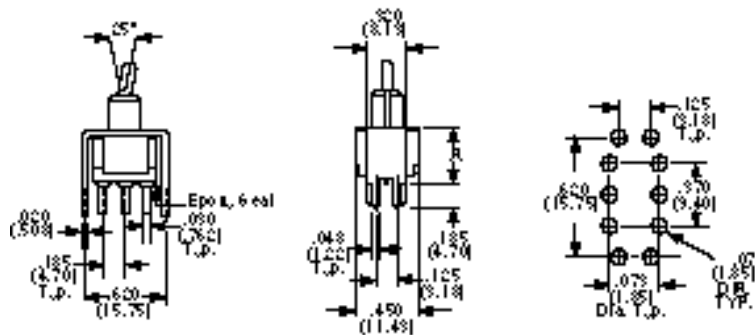
**V30 V40 V90**

Vertical Support Bracket  
Single Pole



Option Code	Dim."A"
V30	.460 (11.68)
V40	.630 (16.00)
V90	1.150 (29.21)

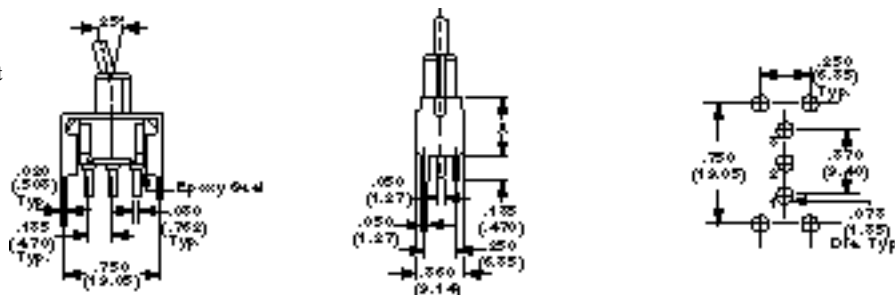
Vertical Support Bracket  
Double Pole



Option Code	Dim."A"
V30	.460 (11.68)
V40	.630 (16.00)
V90	1.150 (29.21)

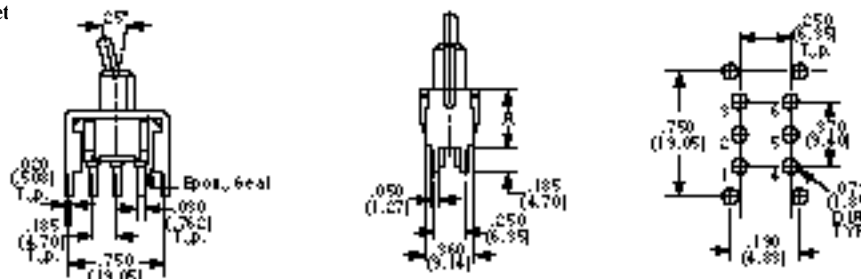
**V60 V70 V80**

Vertical Support Bracket  
Single Pole



Option Code	Dim."A"
V60	.460 (11.68)
V70	.630 (16.00)
V80	.953 (24.71)

Vertical Support Bracket  
Double Pole



Option Code	Dim."A"
V60	.460 (11.68)
V70	.630 (16.00)
V80	.953 (24.71)

## CONTACTS

**B** CONTACTS: Copper alloy with gold plate, welded button.

TERMINALS: Brass with gold plate.

ELECTRICAL RATING: 0.4 VA @ 20 VAC/DC.

**Q** CONTACTS: Copper alloy with silver, welded button.

TERMINALS: Brass with tin/lead plate.

ELECTRICAL RATING: 5 A @ 125 VAC, 2 A @ 250 VAC, 5 A @ 28 VDC.

UL/CSA RATING: 5A @ 125 VAC, 3A @ 250 VAC.  
(Specify "UL" option code)

**G** CONTACTS: Copper alloy with gold plate over silver, welded button.

TERMINALS: Brass alloy, with gold plate.

Note: This contact option can be used for low-level or power switching. If level is above 0.4 VA @ 20 VAC/DC, the switch is rendered usable only for power switching due to arc-removal of gold plate.

UL/CSA RATING: 5A @ 125 VAC, 3A @ 250 VAC  
(Specify "UL" option code)

ELECTRICAL RATING: 0.4 VA @ 20 VAC/DC or 5 A @ 125 VAC, 2 A @ 250 VAC, 5 A @ 28 VDC.



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