

Toggle Switches, A Series, Part Number Matrix

"A" SERIES DESIGN FEATURES

- Toggle – Machined brass, heavy nickel plated.
- Bushing & Frame – Rigid one-piece die cast, copper flashed, heavy nickel plated.
- Fixed Contact – Welded construction.
- Terminal Seal – Epoxy sealing of terminals is standard.

MATERIAL SPECIFICATIONS:

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

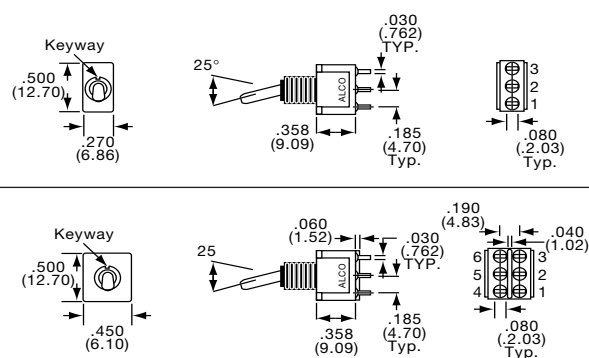
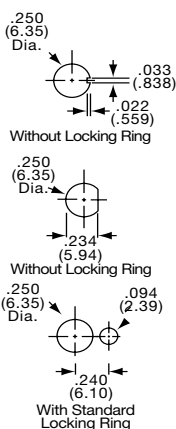
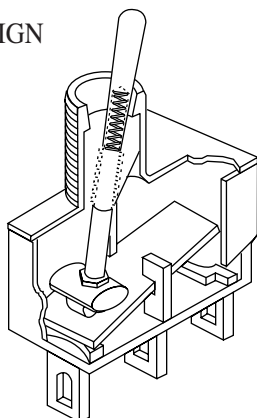
TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating	Silver: 2 A @ 250 VAC or 5 A @ 125 VAC
	Silver: 2 A @ 30 VDC
	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	Up to 30,000 Cycles

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature.....-4°F to + 185°F (-20°C to + 85°C)
Storage Temperature.....-49°F to + 212°F (-45°C to + 100°C)
Note: Hardware included with switch

DESIGN



PART NUMBERING

PART NUMBERING

Model	Function	Toggle	Bushing	Terminal	Contact	Cap Color	Option
A1 Single Pole	double pole case only	S Bat. Long		Z Wire Lug	Q Silver B Gold G Gold over Silver	K, K1: (Nickel Standard) 0 Black 2 Red	U.L.(Q or G contact only)
A2 Double Pole		K Locking		A Right Angle			
01 On-On		K1 Locking		AV2 Vertical Right Angle			
03 On-Off-On		M Bat. Short		C Printed Circuit			
05 (On)-Off-(On)		P3 Flatted		V30 V40 V90 Vertical Support			
07 On-Off-(On)		(with Y only)		W Wire Wrap			
08 On-(On)		P4 Flatted		Z3 Quick Connect			
		(with Y only)					
11 On-On-On		T Large Toggle					
13 On-On-(On)		T1 Large Toggle & Bushing (15/32)		Y 1/4-40 threaded, .35" long, slotted Y9 unthreaded, .35" long CW 1/4-40 threaded, .37" long, actuator & bushing flange environmental seals S & M Toggles only D 1/4-40 threaded, .28" long, slotted D9 Unthreaded, .28" long H 1/4-40 threaded, flanged, .30" long			
15 (On)-On-(On)	T2P Large Flatted Toggle and Bushing (15/32)						

Note: For surface mount termination, use the "TST" series, Page C7

Other Options

N Black finish toggle, bushing and hardware. Add "N" to end of part number, but before U.L. option.

O Internal O-ring environmental actuator seal. Add letter after toggle option: S & M.

P Anti-Push-In/Anti rotate. Add letter after toggle S & M.

See page C23 for SP3T wiring diagram.

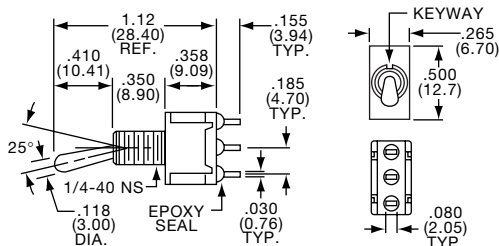
* Refer to Pages C22-C26 for
Additional Options *

Toggle Switches, A Series, Vertical, Wire Lug, Long Bat Actuator

SEE PAGE C22 FOR PRODUCT SPECIFICATIONS

SPDT

Tyco Electronics	Alcoswitch	Type	Act. Code P.M5	On	None	Off
Silver Contacts						
5-1437554-0	A101SYZQ	SPDT	1	On	None	On
7-1437554-7	A103SYZQ	SPDT	5	On	Off	On
9-1437554-6	A105SYZQ	SPDT	5	(On)	Off	(On)
1437555-9	A107SYZQ	SPDT	5	On	Off	(On)
2-1437555-0	A108SYZQ	SPDT	1	On	None	(On)
Gold Contacts						
4-1437554-9	A101SYZB	SPDT	1	On	None	On
7-1437554-6	A103SYZB	SPDT	5	On	Off	On
9-1437554-5	A105SYZB	SPDT	5	(On)	Off	(On)
	A107SYZB	SPDT	5	On	Off	(On)

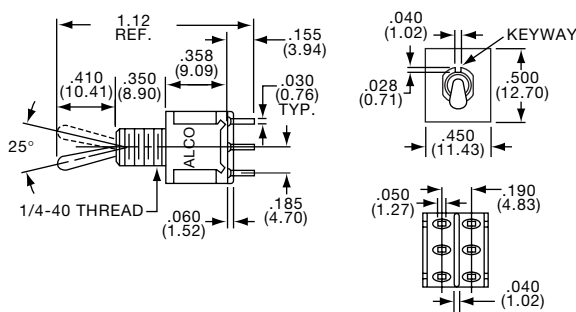


A101SYZQ

C
Gemini Series

DPDT

Tyco Electronics	Alcoswitch	Type	Act. Code P.M5	On	None	Off
Silver Contacts						
4-1437555-9	A201SYZQ	DPDT	2	On	None	On
6-1437555-2	A203SYZQ	DPDT	6	On	Off	On
7-1437555-0	A205SYZQ	DPDT	6	(On)	Off	(On)
7-1437555-6	A207SYZQ	DPDT	6	On	Off	(On)
8-1437555-5	A208SYZQ	DPDT	2	On	None	(On)
1437556-1	A211SYZQ	SP3T	11	On	On	On
1437556-4	A213SYZQ	SP3T	11	On	On	(On)
1437556-7	A215SYZQ	SP3T	11	(On)	On	(On)



A201SYZQ

Toggle Switches, A Series, PC Terminals, Long Bat Actuators

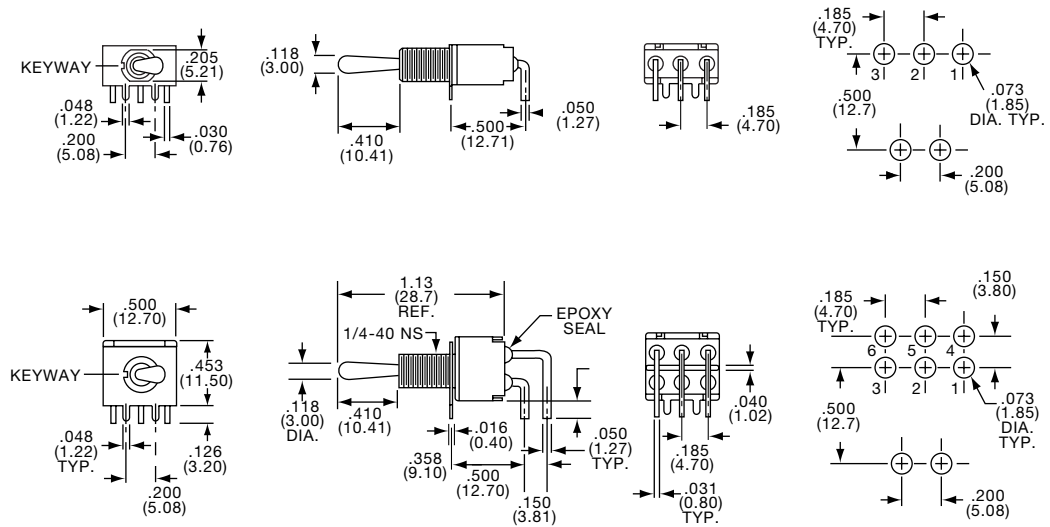
* Refer to Pages C22-C26 for Additional Options *

SEE PAGE C22 FOR PRODUCT SPECIFICATIONS

SPDT/DPDT



A101SYAB
Horizontal Actuation

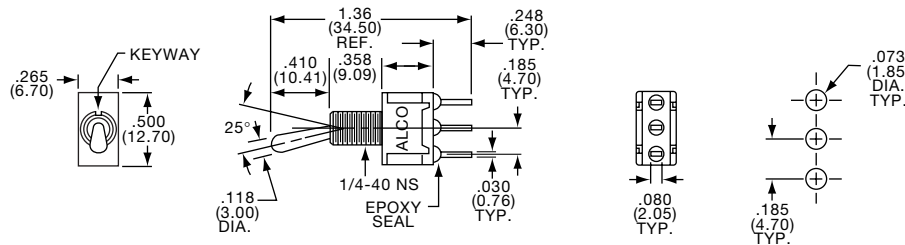


Tyco Electronics	Alcoswitch	Type	Act. Code P.M5	↗	↓	↘
Gold Contacts						
4-1437554-3	A101SYAB	SPDT	1	On	None	On
	A103SYAB	SPDT	5	On	Off	On
4-1437555-3	A201SYAB	DPDT	2	On	None	On
	A208SYAB	DPDT	2	On	None	(On)

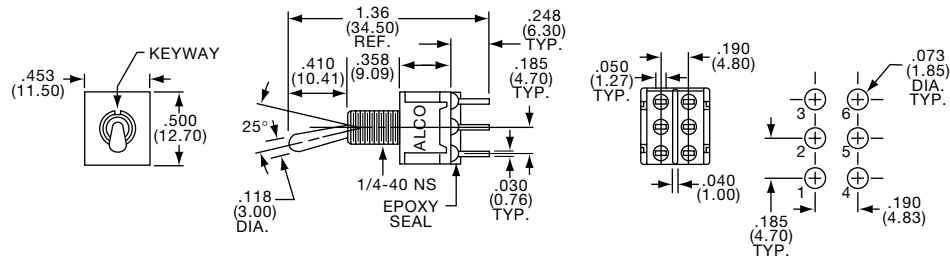
SPDT/DPDT



A101SYCB



A201SYCB

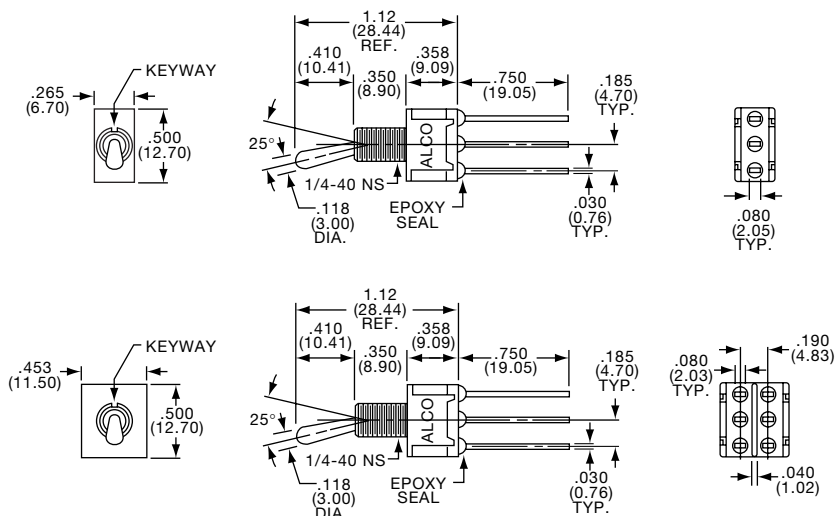


Tyco Electronics	Alcoswitch	Type	Act. Code P.M5	↗	↓	↘
Gold Contacts						
4-1437554-5	A101SYCB	SPDT	1	On	None	On
7-1437554-2	A103SYCB	SPDT	5	On	Off	On
1-1437555-8	A108SYCB	SPDT	1	On	None	(On)
4-1437555-5	A201SYCB	DPDT	2	On	None	On
6-1437555-0	A203SYCB	DPDT	6	On	Off	On
8-1437555-3	A208SYCB	DPDT	2	On	None	(On)

Toggle Switches, A Series, Wire Wrap or Wire Lug, Long Bat Actuators

* Refer to Pages C22-C26 for Additional Options *

SEE PAGE C22 FOR PRODUCT SPECIFICATIONS

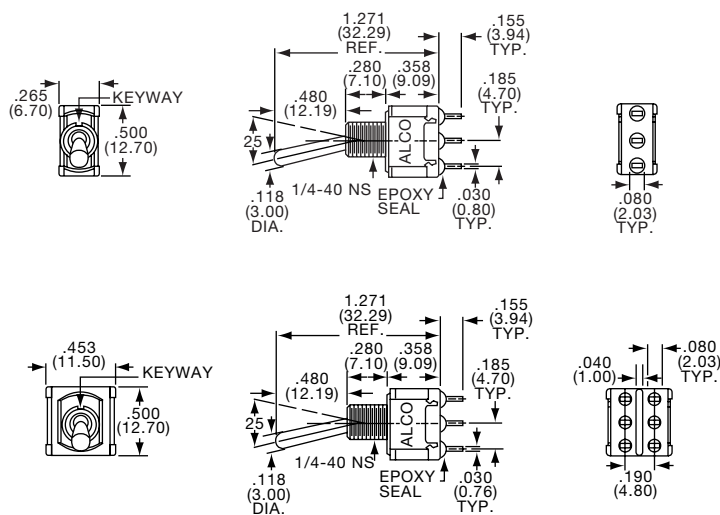


SPDT/DPDT



G
Gemini Series

Tyco Electronics	Alcoswitch	Type	Act. Code	P.M5			
Silver Contacts							
4-1437554-8	A101SYWQ	SPDT	1	On	None	On	
7-1437554-5	A103SYWQ	SPDT	5	On	Off	On	
4-1437555-7	A201SYWQ	DPDT	2	On	None	On	
	A203SYWQ	DPDT	6	On	Off	On	



SPDT/DPDT



A101SDZQ



A201SDZQ

Tyco Electronics	Alcoswitch	Type	Act. Code	P.M5			
Silver Contacts							
4-1437554-0	A101SDZQ	SPDT	1	On	None	On	
6-1437554-9	A103SDZQ	SPDT	5	On	Off	On	
4-1437555-1	A201SDZQ	DPDT	2	On	None	On	
5-1437555-9	A203SDZQ	DPDT	6	On	Off	On	

* Refer to Pages C22-C26 for
Additional Options *

Toggle Switches, A Series, PC Tail, Straight or Right Angle, Long Bat Actuator

SEE PAGE C22 FOR PRODUCT SPECIFICATIONS

SPDT

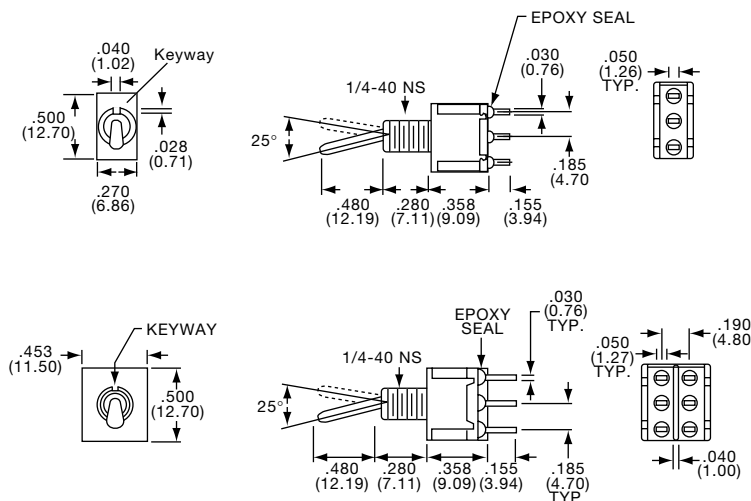


A101SDCQ

DPDT



A201SDCQ



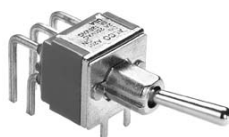
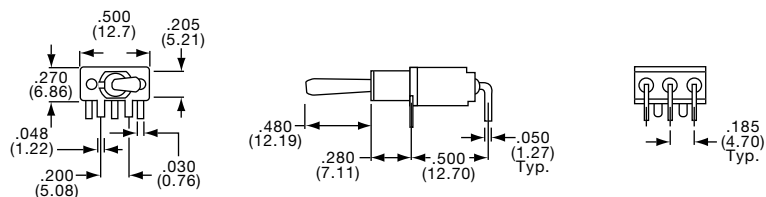
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Silver Contacts						
3-1437554-9	A101SDCQ	SPDT	1	On	None	On
6-1437554-8	A103SDCQ	SPDT	5	On	Off	On
1571670-1	A201SDCQ	DPDT	2	On	None	On
	A203SDCQ	DPDT	6	On	Off	On
	A208SDCQ	DPDT	2	On	None	(On)

SPDT/DPDT



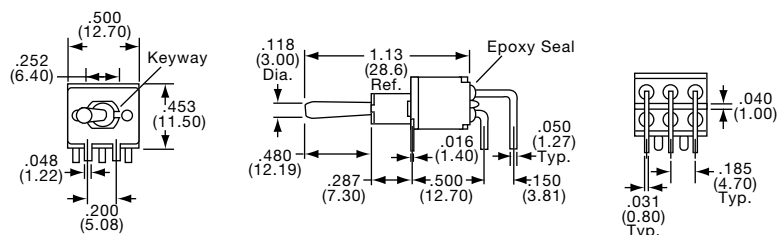
A101SD9AQ

Horizontal Actuation



A201SD9AQ

Horizontal Actuation

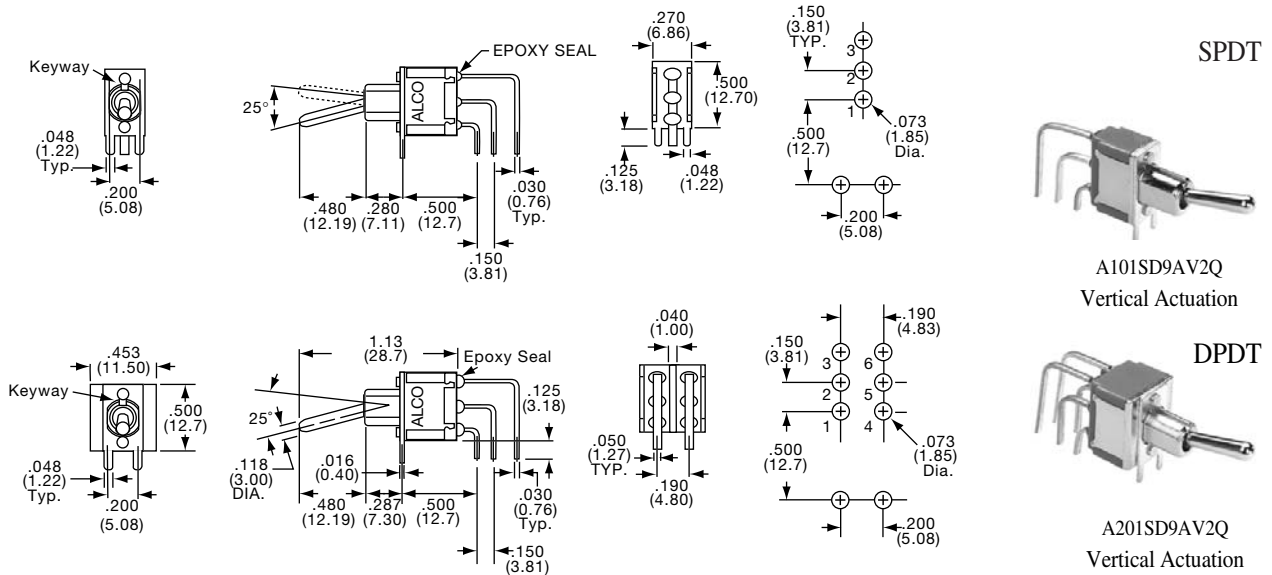


Tyco Electronics	Alcoswitch	Tyco Electronics	Alcoswitch	Type	Act. Code P. M5	On	Off	On
Silver Contacts								
3-1437554-4	A101SD9AQ	Gold Contacts 3-1437554-3	A101SD9AB	SPDT	1	On	None	On
6-1437554-4	A103SD9AQ		A103SD9AB	SPDT	5	On	Off	On
1-1437555-6	A108SD9AQ			SPDT	1	On	None	(On)
3-1437555-8	A201SD9AQ		A201SD9AB	DPDT	2	On	None	On
8-1437555-1	A208SD9AQ		A208SD9AB	DPDT	2	On	None	(On)

Toggle Switches, A Series, Vertical, Right Angle, Long Bat Actuator

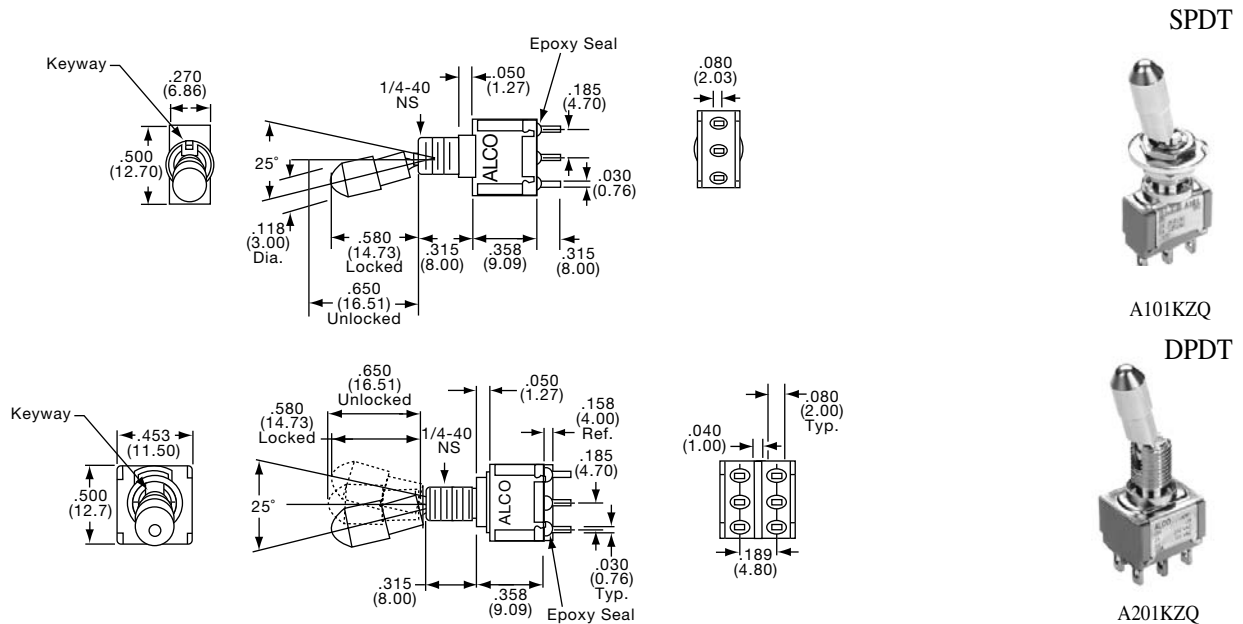
* Refer to Pages C22-C26 for Additional Options *

SEE PAGE C22 FOR PRODUCT SPECIFICATIONS



Tyco Electronics	Alcoswitch	Type	Act. Code	P.M5				Tyco Electronics	Alcoswitch	Type	Act. Code	P.M5			
Silver Contacts								Silver Contacts							
3-1437554-6	A101SD9AV2Q	SPDT	1	On	None	On	On	3-1437555-9	A201SD9AV2Q	DPDT	2	On	None	On	On
6-1437554-6	A103SD9AV2Q	SPDT	5	On	Off	On	On	5-1437555-8	A203SD9AV2Q	DPDT	6	On	Off	On	On
								8-1437555-2	A208SD9AV2Q	DPDT	2	On	None	On	(On)

Toggle Switches, A Series, Wire Lug, Locking Toggle



Tyco Electronics	Alcoswitch	Type	Act. Code	P. M5	↘	⬇	↗	Tyco Electronics	Alcoswitch	Tyco Electronics	Alcoswitch	Type	Act. Code	P. M5	↘	⬇	↗
Silver Contacts								Gold Contacts		Silver Contacts							
1437554-9	A101KZQ	SPDT	1		On	None	On	A201KZB	2-1437555-5	A201KZQ	DPDT	2		On	None	On	
5-1437554-8	A103KZQ	SPDT	5		On	Off	On	A203KZB	5-1437555-3	A203KZQ	DPDT	6		On	Off	On	
								A205KZB		A205KZQ	DPDT	6		(On)	Off	(On)	
								A211KZB		A211KZQ	SP3T	11		On	On	On	

* Refer to Pages C22-C26 for
Additional Options *

SEE PAGE C22 FOR PRODUCT SPECIFICATIONS

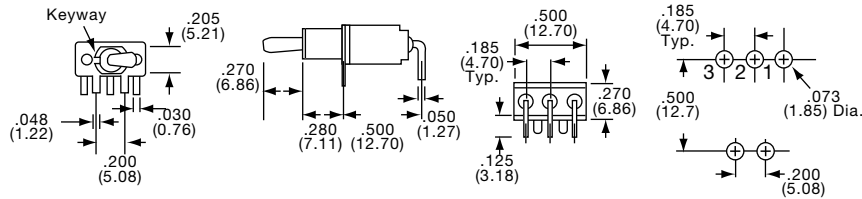
Toggle Switches, A Series, Right Angle, Short Bat Actuators

SPDT



A101MD9AQ

Horizontal Actuation



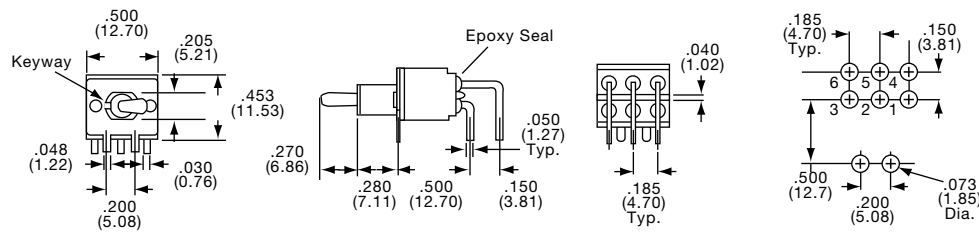
Tyco Electronics	Alcoswitch	Tyco Electronics	Alcoswitch	Type	Act. Code P. M5			
Silver Contacts		Gold Contacts						
1-1437554-6	A101MD9AQ	1-1437554-4	A101MD9AB	SPDT	1	On	None	On
6-1437554-1	A103MD9AQ	5-1437554-9	A103MD9AB	SPDT	5	On	Off	On
	A108MD9AQ	1-1437555-2	A108MD9AB	SPDT	1	On	None	(On)

DPDT



A201MD9AQ

Horizontal Actuation



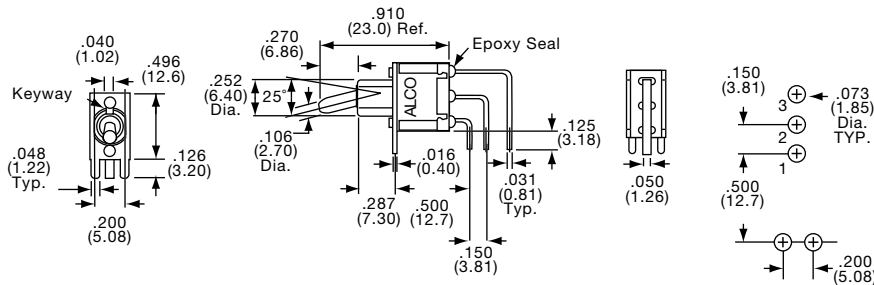
Tyco Electronics	Alcoswitch	Tyco Electronics	Alcoswitch	Type	Act. Code P. M5			
Silver Contacts		Gold Contacts						
2-1437555-8	A201MD9AQ	2-1437555-7	A201MD9AB	DPDT	2	On	None	On
		5-1437555-4	A203MD9AB	DPDT	6	On	Off	On

SPDT



A101MD9AV2Q

Vertical Actuation



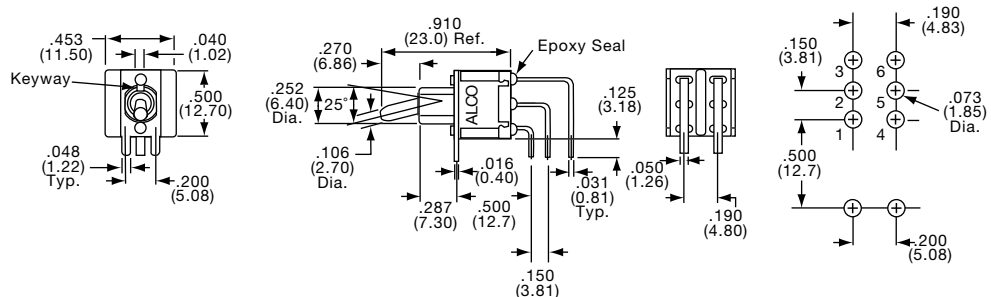
Tyco Electronics	Alcoswitch	Tyco Electronics	Alcoswitch	Type	Act. Code P. M5			
Silver Contacts		Gold Contacts						
1-1437554-9	A101MD9AV2Q	1-1437554-7	A101MD9AV2B	SPDT	1	On	None	On
	A103MD9AV2Q	6-1437554-2	A103MD9AV2B	SPDT	5	On	Off	On
	A108MD9AV2Q			SPDT	1	On	None	(On)

DPDT



A201MD9AV2AQ

Vertical Actuation

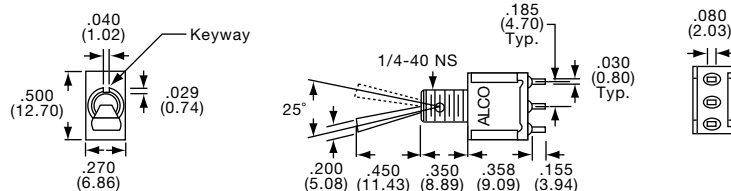


Tyco Electronics	Alcoswitch	Tyco Electronics	Alcoswitch	Type	Act. Code P. M5			
Silver Contacts		Gold Contacts						
3-1437555-0	A201MD9AV2Q	2-1437555-9	A201MD9AV2B	DPDT	2	On	None	On
	A203MD9AV2Q		A203MD9AV2B	DPDT	6	On	Off	On
	A208MD9AV2Q		A208MD9AV2B	DPDT	2	On	None	(On)

Toggle Switches, A Series, Vertical, Wire Lug, Flat or Long Bat Actuator

* Refer to Pages C22-C26 for Additional Options *

SEE PAGE C22 FOR PRODUCT SPECIFICATIONS



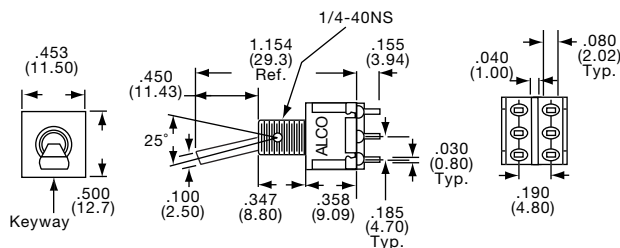
SPDT



A101P3YZQ

Tyco Electronics	Alcoswitch	Type	Act. Code P.M5	↖	⬇	↗
Silver Contacts						
2-1437554-9	A101P3YZQ	SPDT	1	On	None	On
6-1437554-3	A103P3YZQ	SPDT	5	On	Off	On
8-1437554-7	A105P3YZQ	SPDT	5	(On)	Off	(On)
1437555-5	A107P3YZQ	SPDT	5	On	Off	(On)
1-1437555-5	A108P3YZQ	SPDT	1	On	None	(On)

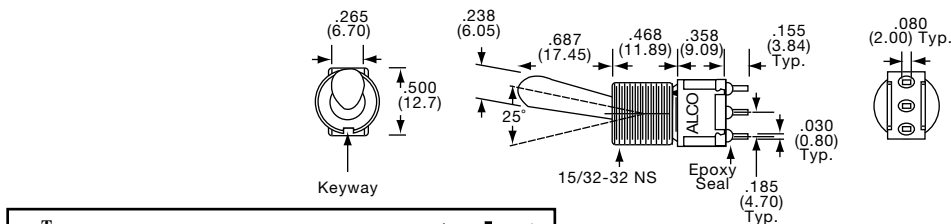
Tyco Electronics	Alcoswitch	Type	Act. Code P.M5	↖	⬇	↗
Silver Contacts						
3-1437555-6	A201P3YZQ	DPDT	2	On	None	On
5-1437555-6	A203P3YZQ	DPDT	6	On	Off	On
6-1437555-6	A205P3YZQ	DPDT	6	(On)	Off	(On)
7-1437555-3	A207P3YZQ	DPDT	6	On	Off	(On)
8-1437555-0	A208P3YZQ	DPDT	2	On	None	(On)
9-1436555-3	A211P3YZQ	SP3T	11	On	On	On
	A215P3YZQ	SP3T	11	(On)	On	(On)



DPDT



A201P3YZQ

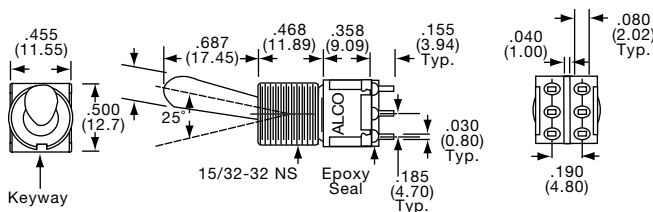


SPDT



A101TZQ

Tyco Electronics	Alcoswitch	Type	Act. Code P.M5	↖	⬇	↗
Silver Contacts						
5-1437554-6	A101TZQ	SPDT	1	On	None	On
8-1437554-0	A103TZQ	SPDT	5	On	Off	On



DPDT



A201TZQ

Tyco Electronics	Alcoswitch	Type	Act. Code P.M5	↖	⬇	↗
Silver Contacts						
5-1437555-2	A201TZQ	DPDT	2	On	None	On
6-1437555-4	A203TZQ	DPDT	6	On	Off	On
	A211TZQ	SP3T	11	On	On	On

Toggle Switches, A Series, Wire Lug, 15/32 Bushing, Short Bat Actuator

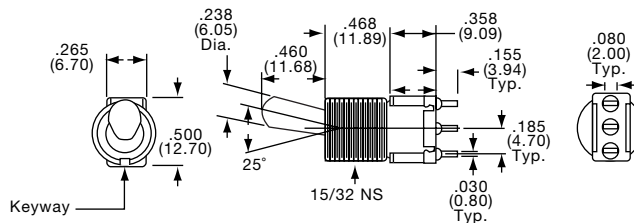
* Refer to Pages C22-C26 for
Additional Options *

SEE PAGE C22 FOR PRODUCT SPECIFICATIONS

SPDT



A103T1ZQ

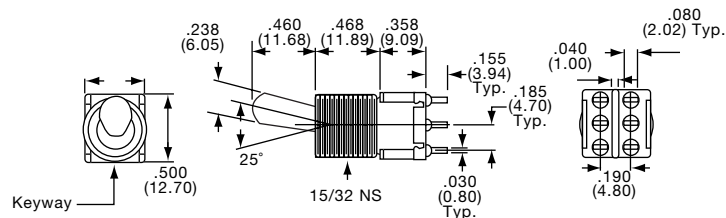


Tyco Electronics	Alcoswitch	Type	Act. Code	P.M5	↖	↓	↗
Silver Contacts							
5-1437554-4	A101T1ZQ	SPDT	1		On	None	On
7-1437554-9	A103T1ZQ	SPDT	5		On	Off	On
9-1437554-8	A105T1ZQ	SPDT	5		(On)	Off	(On)
	A108T1ZQ	SPDT	1		On	None	(On)

DPDT



A201T1ZQ



Tyco Electronics	Alcoswitch	Type	Act. Code	P.M5	↖	↓	↗
Silver Contacts							
5-1437555-0	A201T1ZQ	DPDT	2		On	None	On
6-1437555-3	A203T1ZQ	DPDT	6		On	Off	On
7-1437555-1	A205T1ZQ	DPDT	6		(On)	Off	(On)
7-1437555-7	A207T1ZQ	DPDT	6		On	Off	(On)
8-1437555-6	A208T1ZQ	DPDT	2		On	None	(On)
1437556-2	A211T1ZQ	SP3T	11		On	On	On