

Datasheet

SPDT Toggle Switch (On)-Off-(On), 5 A, PCB

RS Stock number 734-7141



SPECIFICATIONS

CONTACT RATING: Dependent upon contact material:

MECHANICAL LIFE: 40,000 make-and-break cycles.

CONTACT RESISTANCE: 10m Ω max. initial @ 2-4VDC

100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 1,000 M Ω min.

DIELECTRIC STRENGTH: 1,000 Vrms min.@sea level.

OPERATING TEMPERATURE: -30°C to 85°C.

MATERIALS

CASE: Diallyl phthalate (DAP) (UL94v-0).

ACTUATOR: Brass, chrome plated. BUSHING: Brass, nickel plated. HOUSING: Stainless steel.

SWITCH SUPPORT: Brass, tin plated.

CONTACT / TERMINALS: Brass, Silver or gold plated.





SWITCH FUNCTION

			SWITCH FUNCTION		CONNECTED TERMINALS / SCHEMATIC			
NO. POLES	MODEL	MODEL NO.	POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
	NO.		1	4	4	À	.	4
SP	Q1111	1MS1	ON	NONE	ON		N/A	
	Q1112	1MS2	ON	NONE	MOM	2-3		2-1
	Q1113	1MS3	ON	OFF	ON			
	Q1114	1MS4	МОМ	OFF	МОМ	1. \(\frac{2 \((\comm\)}{3}\)	OPEN	1 2 (COMM)
	Q1115	1MS5	ON	OFF	МОМ			
DP	Q1121	1MD1	ON	NONE	ON		NIZA	
	Q1122	1MD2	ON	NONE	MOM	2-3,5-6	N/A	2-1,5-4
	Q1123	1MD3	ON	OFF	ON			
	Q1124	1MD4	мом	OFF	МОМ	1• 12 (COMM) 55 6	OPEN	1 × 3 4 × 6
	Q1125	1MD5	ON	OFF	МОМ			
	Q1126	1MD6	ON	ON	ON			
_	Q1127	1MD7	МОМ	ON	MOM	2-3,5-6	2-3,5-4	2-1,5-4
A	Q1128	1MD8	ON	ON	МОМ			
3P	Q1131	1M31	ON	NONE	ON		N/A	
	Q1132	1M32	ON	NONE	МОМ	2-3,5-6,8-9		2-1,5-4,8-7
	Q1133	1M33	ON	OFF	ON			
	Q1134	1M34	мом	OFF	МОМ	1. 2 3 4. 50(COMN) 80 9	OPEN	1 -3 4 -6 7 -9
	Q1135	1M35	ON	OFF	МОМ			
4P	Q1141	1M41	ON	NONE	ON			
	Q1142	1M42	ON	NONE	МОМ	2-3,5-6,8-9,11-12	N/A	2-1,5-4,8-7,11-10
	Q1143	1M43	ON	OFF	ON	42 4 RECORD 84 114		p2 p s(conn) ap 11p
	Q1144	1M44	мом	OFF	МОМ	1. 1/2 4. 1/2 7. 1/2 10. 11.	OPEN	1 - 3 4 - 100 mm ap 119 100 mm
	Q1145	1M45	ON	OFF	МОМ			
	Q1146	1M46	ON	ON	ON			
A	Q1147	1M47	МОМ	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
A	Q1148	1M48	ON	ON	МОМ			

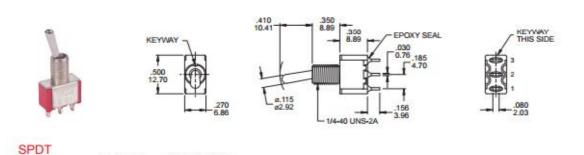
MOM= MOMENTARY

A Please check the availability in advance before order

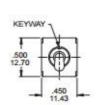
RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.



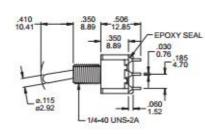
POLE OPTIONS

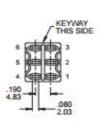






Part No. Shown: 1MS1T1B1M1QE

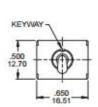


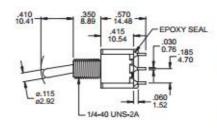


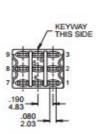
DPDT

Part No. Shown: 1MD1T1B1M1QE





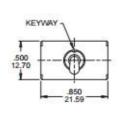


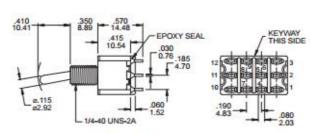


3PDT

Part No. Shown: 1M31T1B1M1QE



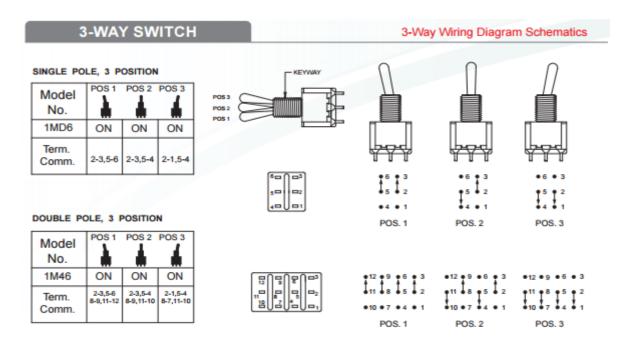




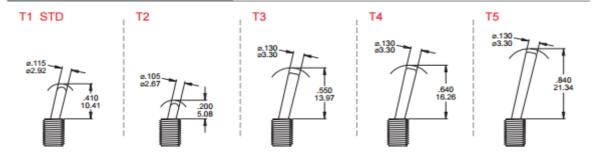
4PDT

Part No. Shown: 1M41T1B1M1QE

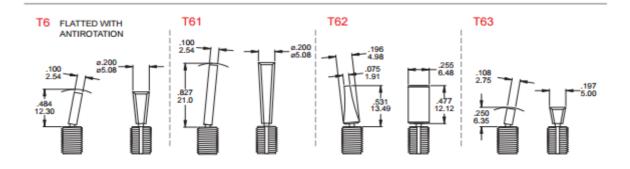




ACTUATOR OPTIONS

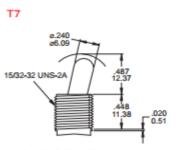


NOTE T1 ~ T5 Actuator shown with standard B1 Bushing :
Add .070 (1.78) for B3 Bushing ;
Subtract .020 (0.51) for B6 Bushing ;
Std for M1 , M2 Terminal sub .016 (0.40) for M6 , M7 , VSX



NOTE T6,T6-1,T6-2,T63 use with B11, B12, B15, B16 bushing only.

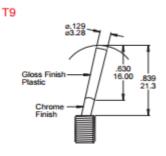




Use with B13 bushing Use with B18,B20 the lever is antirotation and the size of lever is 13.00mm

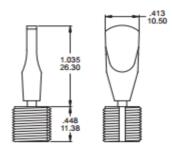
T8 15/32-32 UNS-2A

Use with B13 bushing Use with B18,B20 the lever is antirotation and the size of lever is 18.00mm



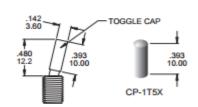
B1 / B2 bushing std with black and red color only (std.)

TA PLASTIC BLACK



Use with B18 bushing only

T11

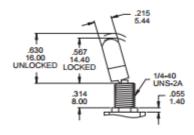


NOTE T11Actuator shown with standard B1 Bushing; Add .070 (1.78) for B3 Bushing ; Subtract .020 (0.51) for B6 Bushing. Std for M1.M2 Terminal sub .016 (0.40) for M6.M7.VSX

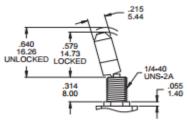
Plastic No.Color:

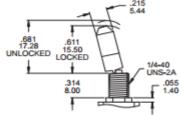
ITEM NO	COLOR
1	White
2	Black (Std)
3	Red
4	Orange
5	Yellow
6	Green
7	Blue
8	Brown
9	Gray

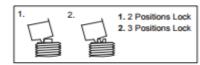
TL1B25



TL2B25



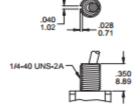




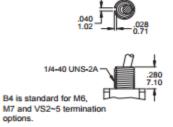
TL3B25

BUSHING OPTIONS

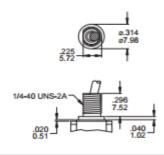




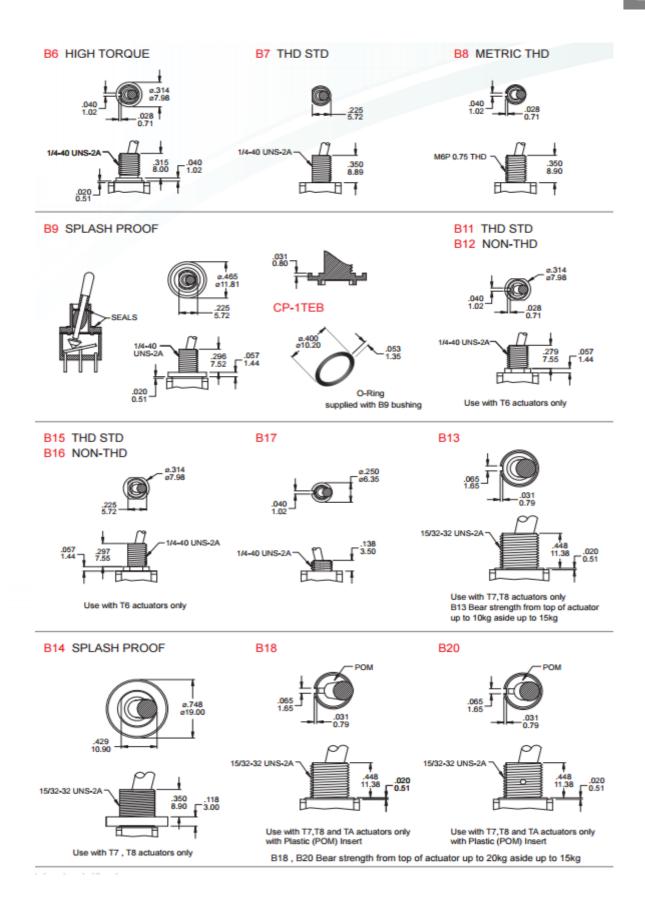
B4 NON-THD



B5 HIGH TORQUE

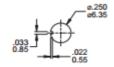






PANEL MOUNTING

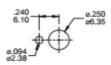
1/4 IN BUSHING



Without locking ring (Keyway)

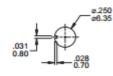


Without locking ring (Flat)

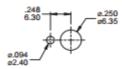


With standard locking ring.

METRIC BUSHING

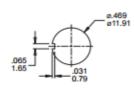


Without locking ring (Keyway)

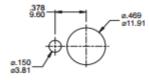


With standard locking ring.

15/32 IN BUSHING



Without locking ring (Keyway)



With standard locking ring.

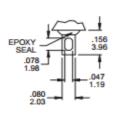
SPLASH PROOF BUSHING



Without locking ring (Flat)

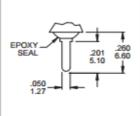
TERMINATION OPTIONS





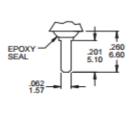
.030(0.76) THK.

M2 PC Thru-hole



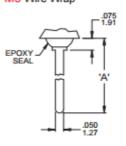
.030(0.76) THK.

M3 Quick connect



.030(0.76) THK.

M5 Wire Wrap



.030(0.76) THK.

OTHER TERMINATION OPTIONS

M6 RIGHT ANGLE P.C. MOUNT

M7 RIGHT ANGLE P.C. MOUNT

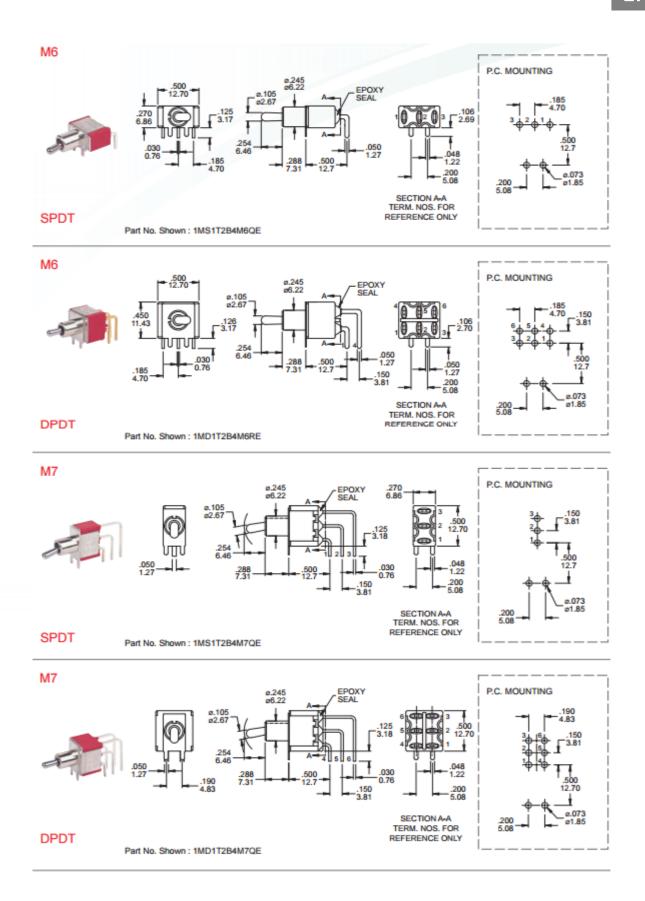
VS2 VERTICAL BRACKET P.C. MOUNT

VS3 VERTICAL BRACKET P.C. MOUNT

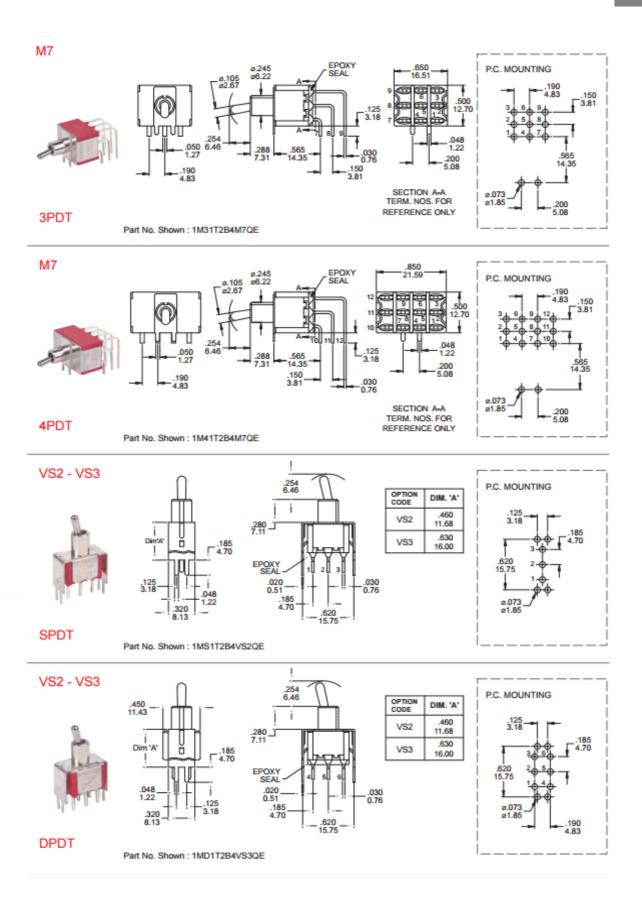
VS5 VERTICAL BRACKET P.C. MOUNT

OPTION	DIM. 'A'
M5-1	.736 (18.70)
M5-2	.953 (24.20)
M5-3	.415 (10.55)
M5-4	1.062 (26.97)



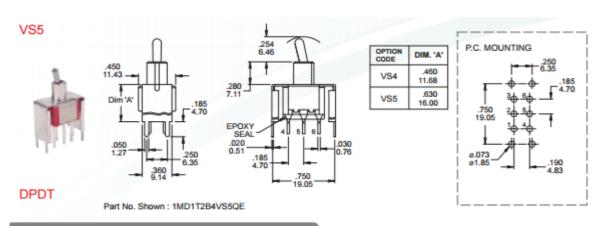






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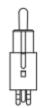


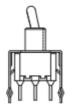
SNAP-IN TERMINATION OPTIONS





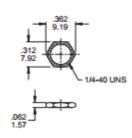
V2N





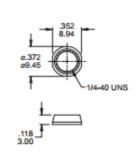
HARDWARE

1/4 NUTS HDW2

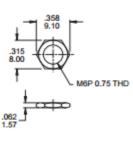


Supplied standard with B1, B3, B5, B6 and B9 options

DRESS NUT HDW3

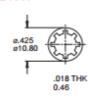


METRIC NUT HDW6



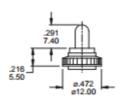
Supplied standard with B8 metric bushing

LOCK WASHER



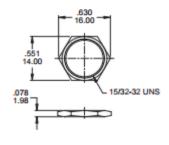
Supplied standard with B1 / B3 bushing

OPTIONAL RUBBER HOOD SEALING



K1=Metric E1=Inch (Std.) for actuator T1, T2 and B1, B3, B5, B6 Bushing only

15/32 NUTS HDW4



Supplied standard with B13 bushing

LOCK WASHER HDW12



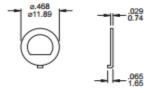
Supplied standard with B13 bushing





Locking ring supplied standard

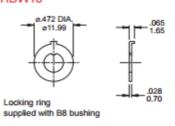
HDW16



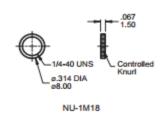
Locking ring supplied with B5 bushing

Locking ring supplied with B13,B18,B20 bushing

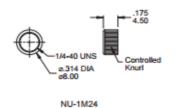
HDW18







HDW20



OPTIONAL TOGGLE CAP

CP-T1XX



Use with T1

CAP Color :

ITEM NO	COLOR
1	White
2	Black (Std)
3	Red
5	Yellow
6	Green
7	Blue
9	Gray

CONTACT MATERIAL OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS	
Q	Silver	Q = Silver	5 Amps with resistant load @ 120VAC or 28VDC	
S	Silver	S = Silver,pure - tin		
С	Gold over Silver	C = Gold over silver	2 Amps with resistant load @ 250VAC	
K	Gold over Silver	K = Gold over silver,pure - tin		
R	Gold	R = Gold	0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)	
G	Gold	G = Gold,pure - tin	0.4 Volt - Allips (VA) Hax. @ 20V Hax. (AC 01 D	

SOLDERING PROCESSES

MANUAL SOLDERING: Use soldering iron of 30 watts, controlled at 350°C

approximately 5 seconds while applying solder.

WAVE SOLDERING: Recommended Soldering Temperature: 260 ± 5°C

Duration of Solder Immersion: Max 5 sec. (PCB is 1.6mm in thickness)

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