



Datasheet

DPDT Toggle Switch On-On 5 A Panel Mount

RS Stock number 734-7016



Specifications:

Contact Rating: Dependent upon contact material Mechanical Life: 40,000 make-and-break cycles Contact Resistance: 10 mΩ max. initial @ 2-4VDC

100mA for both silver and gold plated contacts

Insulation Resistance: $1,000 \text{ m}\Omega \text{ min.}$

Dielectric Strength: 1,000 Vrms min. @ sea level

Operating Temperature: -30°C to 85°C

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

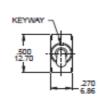
	LII /CCA		SWITCH FUNCTION		TION	CONNECTED TERMINALS / SCHEMATIC		
NO. POLES	MODEL NO.	MODEL NO.	POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
			4		4	À	å	4
SP	Q1111	1MS1	ON	NONE	ON		N/A	
	Q1112	1MS2	ON	NONE	MOM	2-3	INA	2-1
	Q1113	1MS3	ON	OFF	ON			
	Q1114	1MS4	МОМ	OFF	MOM	1. \(\frac{1}{3}\)	OPEN	1 2 (COMM)
	Q1115	1MS5	ON	OFF	MOM			
DP	Q1121	1MD1	ON	NONE	ON		N/A	
	Q1122	1MD2	ON	NONE	MOM	2-3,5-6	N/A	2-1,5-4
	Q1123	1MD3	ON	OFF	ON			
	Q1124	1MD4	MOM	OFF	MOM	1. 12 (COMM) 51 6	OPEN	1 2 (COMM) 57 1 3 4 6
	Q1125	1MD5	ON	OFF	MOM			
	Q1126	1MD6	ON	ON	ON			
A	Q1127	1MD7	MOM	ON	MOM	2-3,5-6	2-3,5-4	2-1,5-4
A	Q1128	1MD8	ON	ON	MOM			
3P	Q1131	1M31	ON	NONE	ON		N/A	
	Q1132	1M32	ON	NONE	MOM	2-3,5-6,8-9	IWA	2-1,5-4,8-7
	Q1133	1M33	ON	OFF	ON			
	Q1134	1M34	МОМ	OFF	MOM	1. 3 4. 5 7. 9	OPEN	1 +3 4 +6 7 +9
	Q1135	1M35	ON	OFF	MOM			
4P	Q1141	1M41	ON	NONE	ON		NIZA	
	Q1142	1M42	ON	NONE	MOM	2-3,5-6,8-9,11-12	N/A	2-1,5-4,8-7,11-10
	Q1143	1M43	ON	OFF	ON	42 A BECOMMO SA . 114		y2 y 8000M0 Ny 11y
	Q1144	1M44	МОМ	OFF	МОМ	1+ +2 1+ + 1 100 10 14 10+ 10+ 10	OPEN	1 +3 0 +8 2 +8 10 +12
	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
_	Q1148	1M48	ON	ON	МОМ			

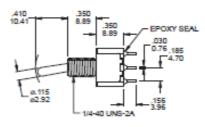
RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.

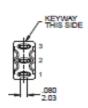


POLE OPTIONS





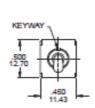


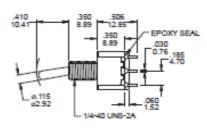


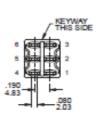
SPDT

Part No. Shown: 1MS1T1B1M1QE





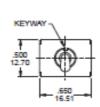


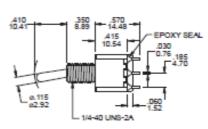


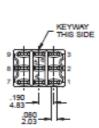
DPDT

Part No. Shown: 1MD1T1B1M1QE





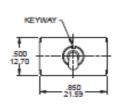


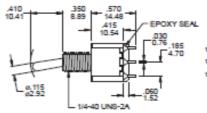


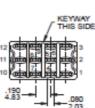
3PDT

Part No. Shown: 1M31T1B1M1QE





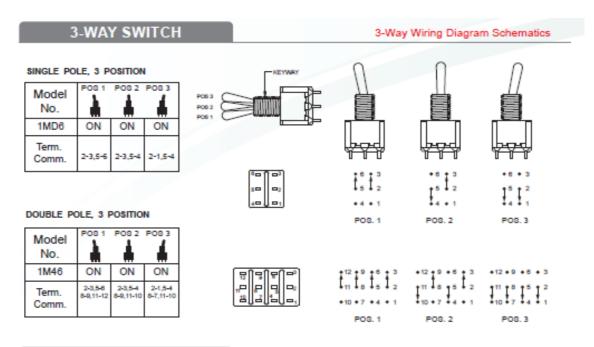




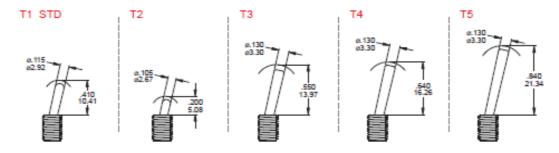
4PDT

Part No. Shown: 1M41T1B1M1QE



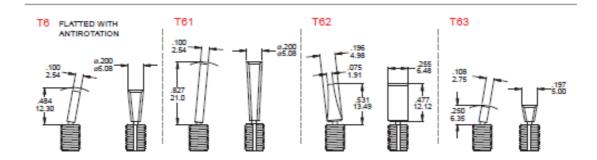


ACTUATOR OPTIONS



NOTE T1 ~ T5 Actuator shown with standard B1 Bushing : Add .070 (1.78) for B3 Bushing ; Subtract .020 (0.51) for B6 Bushing ;

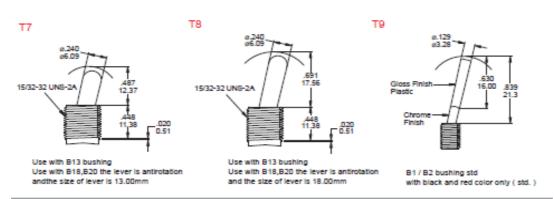
Std for M1, M2 Terminal sub .016 (0.40) for M6, M7, VSX

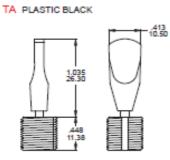


NOTE T6,T6-1,T6-2 ,T63 use with B11, B12, B15, B16 bushing only.

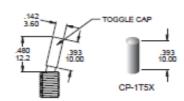












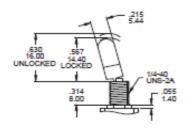
NOTE T11Actuator shown with standard B1 Bushing : Add .070 (1.78) for B3 Bushing ; Subtract .020 (0.51) for B6 Bushing. Std for M1.M2 Terminal sub .016 (0.40) for M6.M7.VSX

Plastio No.Color:

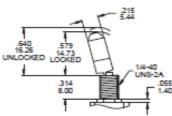
ITEM NO	COLOR
1	White
2	Black (Std)
3	Red
4	Orange
5	Yellow
6	Green
7	Blue
8	Brown
9	Grey

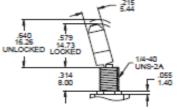
T62, TA, T9, T11 ACTUATOR ONLY

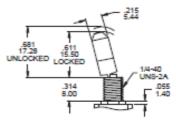
TL1B25

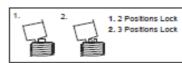


TL2B25



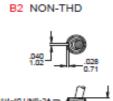




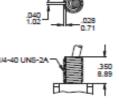


TL3B25

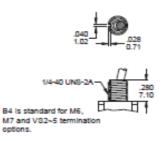
BUSHING OPTIONS



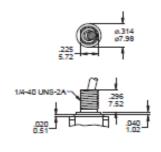
B1 THD STD



B3 THD **B4 NON-THD**

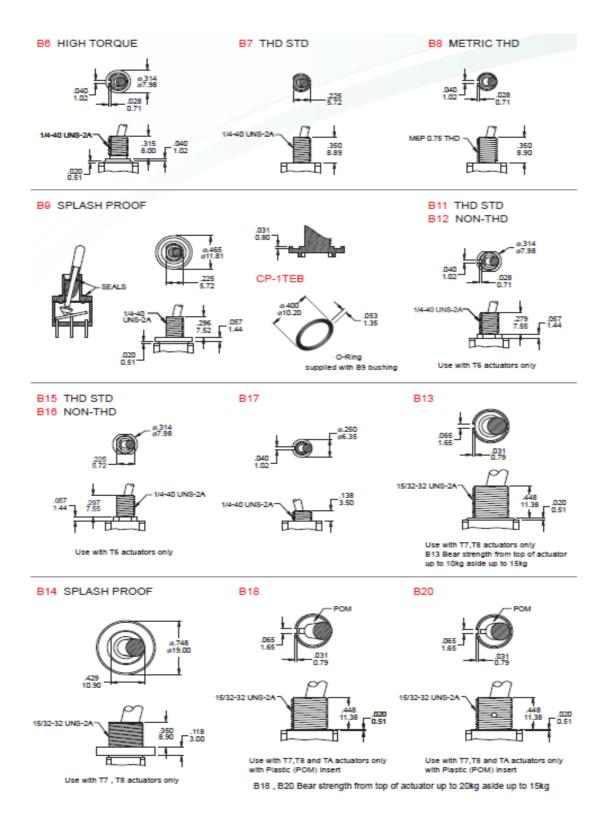


B5 HIGH TORQUE



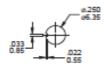






PANEL MOUNTING

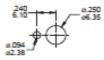
1/4 IN BUSHING



Without locking ring (Keyway)

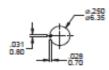


Without locking ring (Flat)

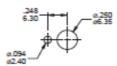


With standard locking ring.

METRIC BUSHING

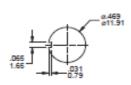


Without looking ring (Keyway)

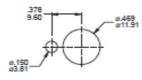


With standard locking ring.

15/32 IN BUSHING



Without locking ring (Keyway)



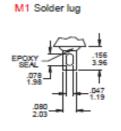
With standard locking ring.

SPLASH PROOF BUSHING

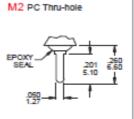


Without locking ring (Flat)

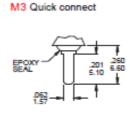
TERMINATION OPTIONS



.030(0.76) THK.

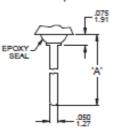


.030(0.76) THK.



.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

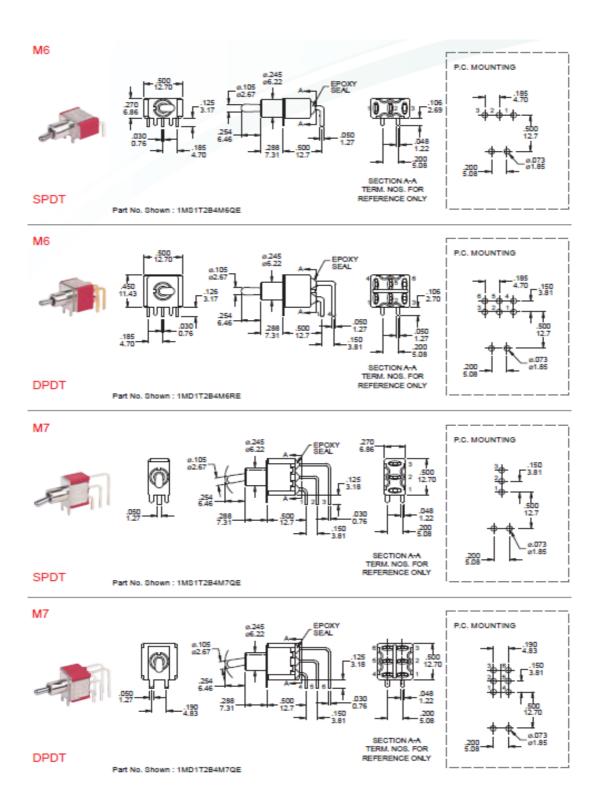
VS3 VERTICAL BRACKET P.C. MOUNT

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)

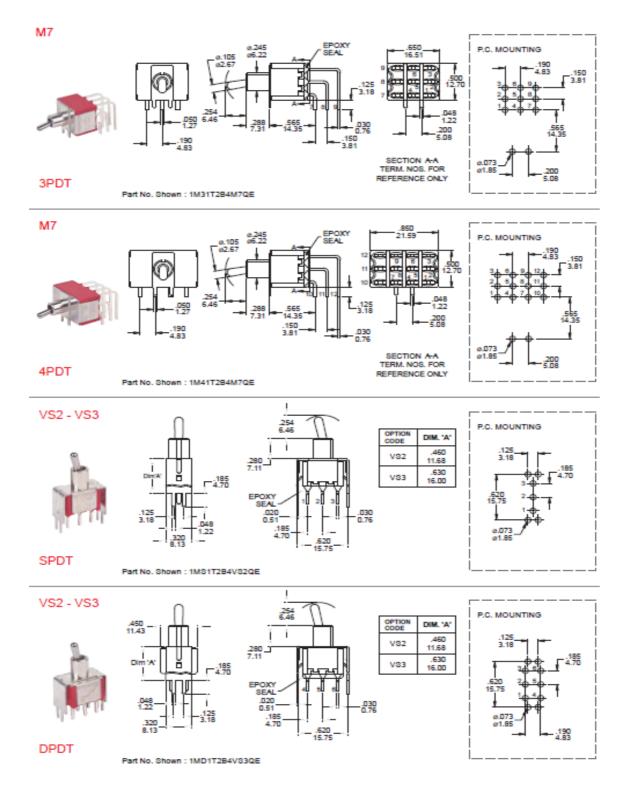




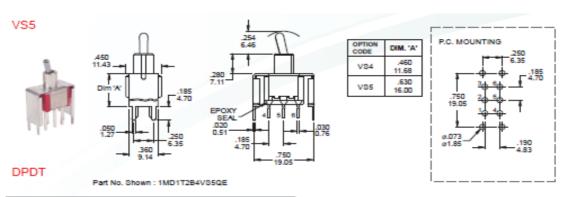












SNAP-IN TERMINATION OPTIONS

M6N



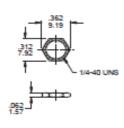






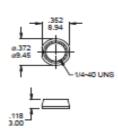
HARDWARE

1/4 NUTS HDW2

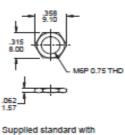


Supplied standard with B1, B3, B5, B6 and B9 options

DRESS NUT HDW3



METRIC NUT HDW6



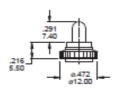
Supplied standard with B8 metric bushing

LOCK WASHER HDW11



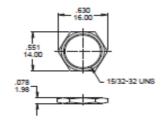
Supplied standard with B1 / B3 bushing

OPTIONAL RUBBER HOOD SEALING



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

15/32 NUTS HDW4



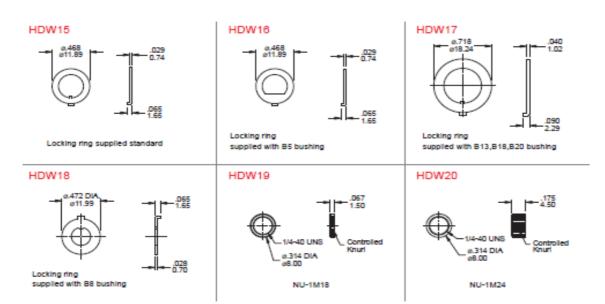
Supplied standard with B13 bushing

LOCK WASHER HDW12



Supplied standard with B13 bushing





OPTIONAL TOGGLE CAP

CP-T1XX



Use with T1

CAR	Cal	
CAP	COL	οι.

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

CONTACT MATERIAL OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS	
Q	Silver	Q = Silver		
S	Silver	S = Silver,pure - tin	5 Amps with resistant load @ 120VAC or 28VDC	
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	Cold	G = Gold,pure - tin	0.4 Voit - Amps (VA) max. (@ 20V max. (AC of DC	

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)