

Datasheet SPDT Toggle Switch (On)-Off-(On), 5A, Panel Mount

RS Stock number 734-7148



SPECIFICATIONS

CONTACT RATING: Dependent upon contact material MECHANICAL LIFE: 40,000 make-and-break cycles. CONTACT RESISTANCE: 10mΩmax. initial @ 2-4VDC 100mA for both silver and gold plated contacts. INSULATION RESISTANCE: 1,000 MΩ 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.

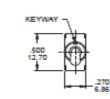


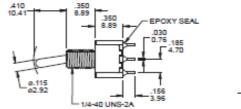
			SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
NO. POLES	UL/CSA MODEL NO.	MODEL NO.	POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
			1		-	1	-	á
SP	Q1111	1MS1	ON	NONE	ON		N/A	
	Q1112	1MS2	ON	NONE	MOM	2-3	DVA	2-1
	Q1113	1MS3	ON	OFF	ON			
	Q1114	1MS4	MOM	OFF	MOM	1+ 2 (COMM)	OPEN	1 + 3
	Q1115	1MS5	ON	OFF	MOM			
DP	Q1121	1MD1	ON	NONE	ON		N/A	
	Q1122	1MD2	ON	NONE	MOM	2-3,5-6	DVA	2-1,5-4
	Q1123	1MD3	ON	OFF	ON			
	Q1124	1MD4	MOM	OFF	MOM	1+ + 3 4+ + 6	OPEN	1 3 4 6
	Q1125	1MD5	ON	OFF	MOM			
	Q1126	1MD6	ON	ON	ON			
▲	Q1127	1MD7	MOM	ON	MOM	2-3,5-6	2-3,5-4	2-1,5-4
	Q1128	1MD8	ON	ON	MOM			
3P	Q1131	1M31	ON	NONE	ON		N/A	
	Q1132	1M32	ON	NONE	MOM	2-3,5-6,8-9	17/0	2-1,5-4,8-7
	Q1133	1M33	ON	OFF	ON			
	Q1134	1M34	MOM	OFF	MOM	1+ + 3 4+ + 6 7+ + 9	OPEN	1 + 3 4 + 6 7 + 9
	Q1135	1M35	ON	OFF	MOM			
4P	Q1141	1M41	ON	NONE	ON		N/A	
	Q1142	1M42	ON	NONE	MOM	2-3,5-6,8-9,11-12		2-1,5-4,8-7,11-10
	Q1143	1M43	ON	OFF	ON	1 + 1 + 2 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +		12 / SECOMMO BY 117
	Q1144	1M44	MOM	OFF	MOM	1+ 2 2+ 20 1+ 10 1+ 201+ 201	OPEN	1 - 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	Q1145	1M45	ON	OFF	MOM			
	Q1146	1M46	ON	ON	ON			
	Q1147	1M47	MOM	ON	MOM	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	MOM			



POLE OPTIONS





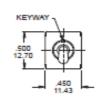


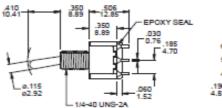


SPDT

Part No. Shown : 1MS1T1B1M1QE



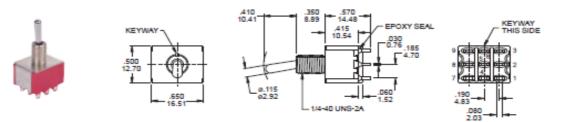






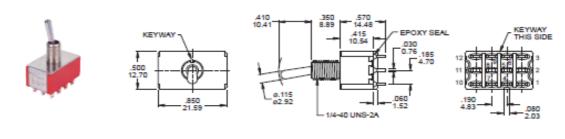
DPDT

Part No. Shown : 1MD1T1B1M1QE



3PDT

Part No. Shown : 1M31T1B1M1QE



4PDT

Part No. Shown : 1M41T1B1M1QE



3-WAY SWITCH 3-Way Wiring Diagram Schematics SINGLE POLE, 3 POSITION POS1 POS2 POS3 Model P06.3 No. P06.2 P05 1 1MD6 ON ON ON Term. 2-3,5-6 2-3,5-4 2-1,5-4 Comm 5 2 4 + 1 DOUBLE POLE, 3 POSITION POS. 1 POS. 2 POS. 3 POS 1 POS 2 POS 3 Model No. 1M46 ON ON ON + 6 ‡ ³ +12 + 9 +8 + 3 + 12 8 I 5 I 5 I 2 2-3,5-8 8-9,11-12 2-3,5-4 8-0,11-10 2-1,5-4 8-7,11-10 P Term. 10 + 7 • 4 Comm. POS. 1 POS. 3 POS. 2 ACTUATOR OPTIONS T1 STD Τ2 Т3 Τ4 Τ5 e.130 e3.30 ø.130 ø3.30 ø.130 ø3.30 0.115 e.105 e2.67 21.34 .550 .640 16.26 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 T6 FLATTED WITH T61 T62 T63 ANTIROTATION .100 2.54 e.200 e5.08 .196 075 1.91 6.48 2.5 .108

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

.827 21.0

12.30

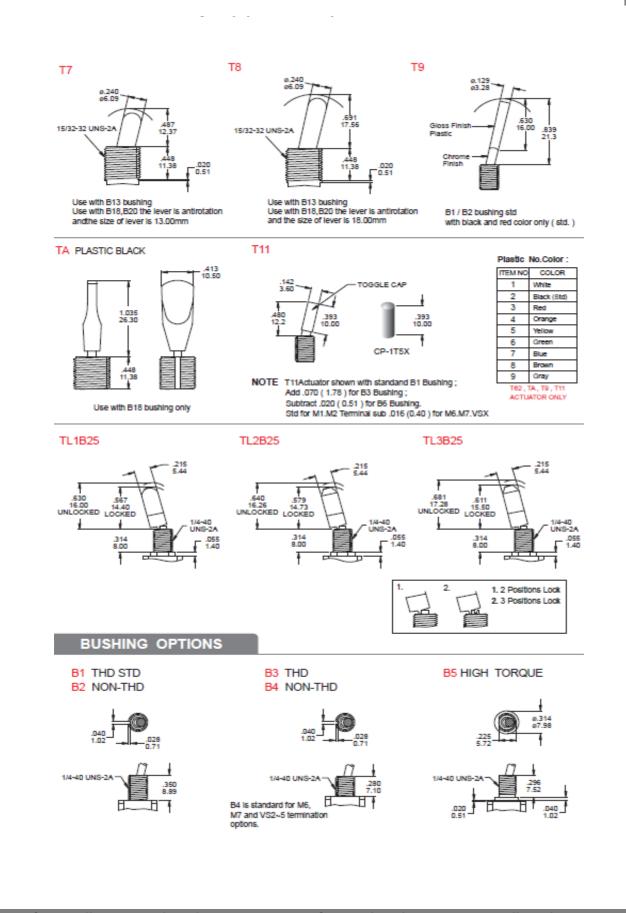
RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.

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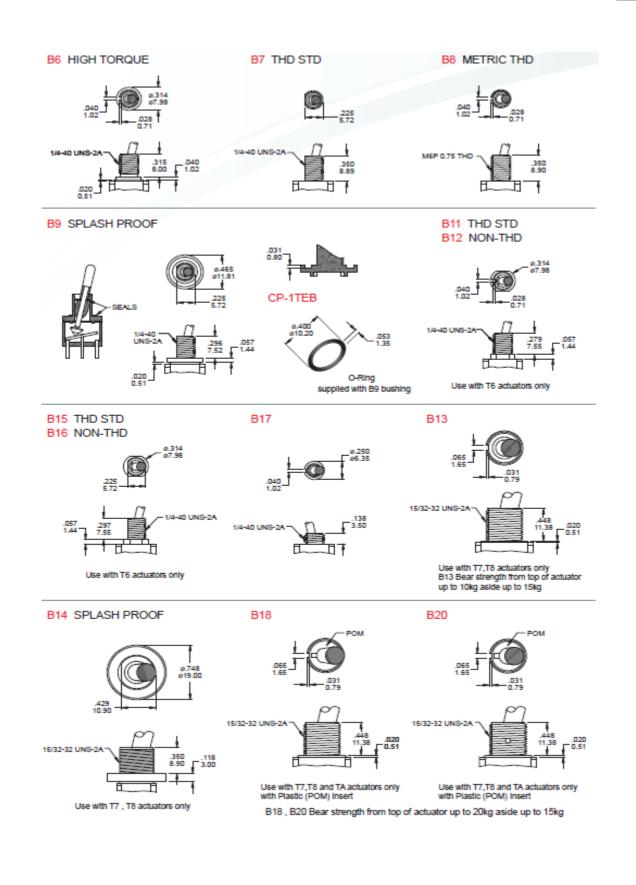
.250 6.35

.531 13.49











PANEL MOUNTING

1/4 IN BUSHING



Without locking ring (Keyway)

Without locking ring (Flat)

250 6.35



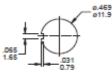
With standard locking ring.

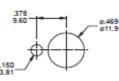
METRIC BUSHING



Without locking ring (Keyway)

15/32 IN BUSHING





With standard locking ring.

e.492 e12.5

SPLASH PROOF BUSHING

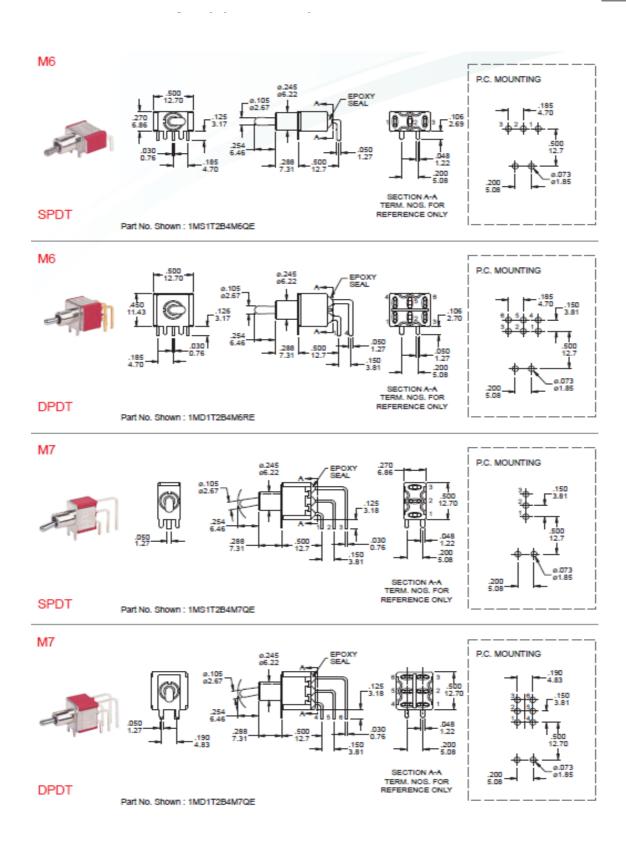
Without locking ring (Keyway)

With standard locking ring.

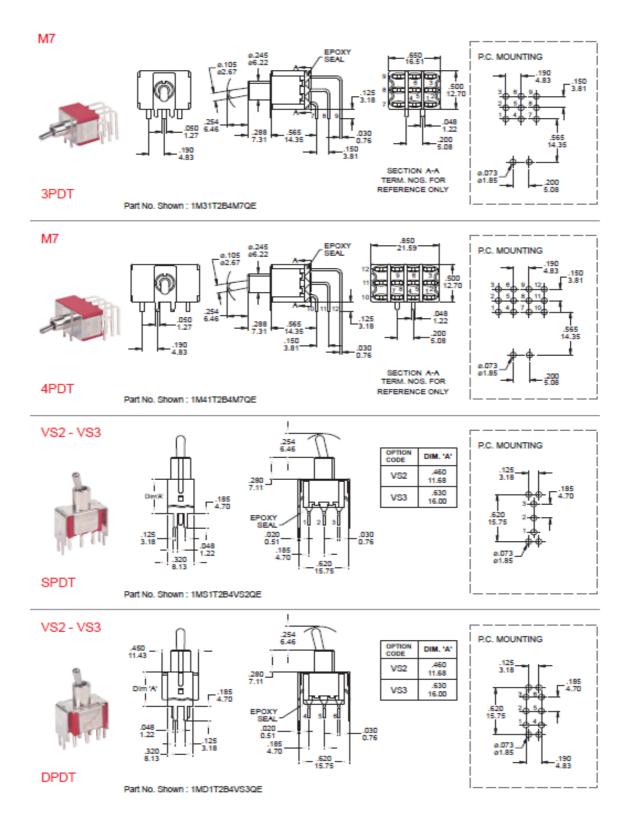
Without locking ring (Flat)

TERMINATION OPTIONS M1 Solder lug M2 PC Thru-hole M3 Quick connect M5 Wire Wrap SEAL .050 .030(0.76) THK. .030(0.76) THK. .030(0.76) THK. .030(0.76) THK. OTHER TERMINATION OPTIONS M6 RIGHT ANGLE P.C. MOUNT OPTION DIM. 'A' CODE M7 RIGHT ANGLE P.C. MOUNT M5-1 .736 (18.70) VS2 VERTICAL BRACKET P.C. MOUNT M5-2 .953 (24.20) V\$3 VERTICAL BRACKET P.C. MOUNT M5-3 .415 (10.55) V\$5 VERTICAL BRACKET P.C. MOUNT 1.062 (26.97) M5-4

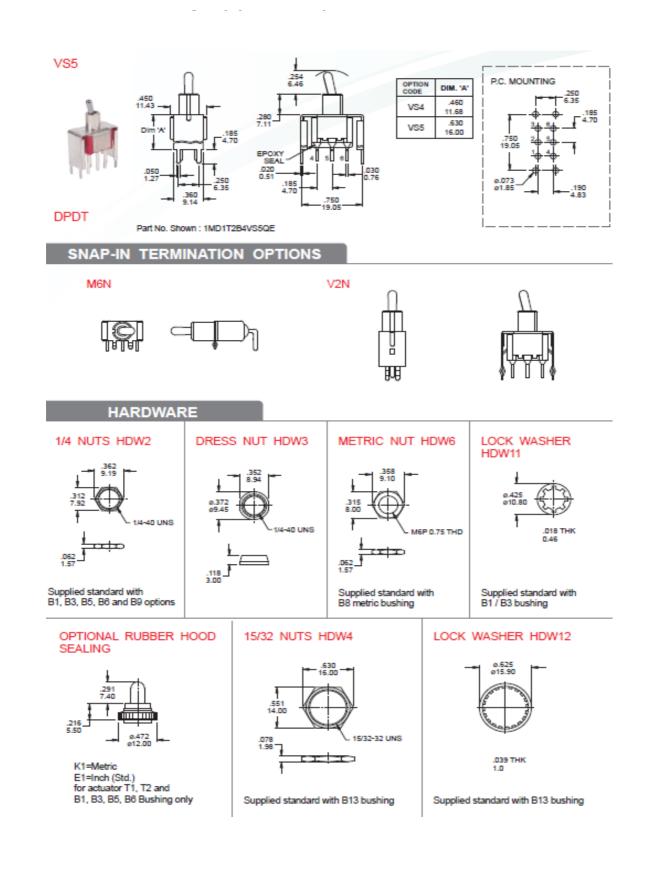




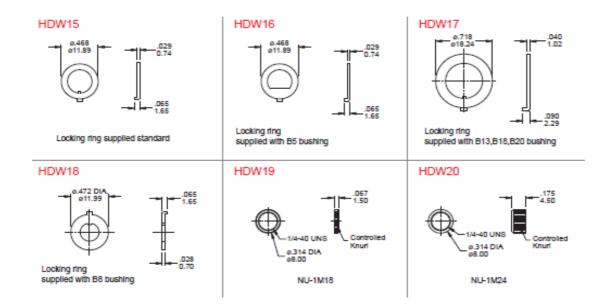






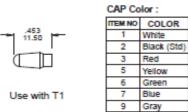






OPTIONAL TOGGLE CAP

CP-T1XX



CONTACT MATERIAL OPTIONS

\geq	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		
κ	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	0010	G = Gold,pure - tin	0.4 Voic - Amps (VA) max. (g 20 V max. (AC 01 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)