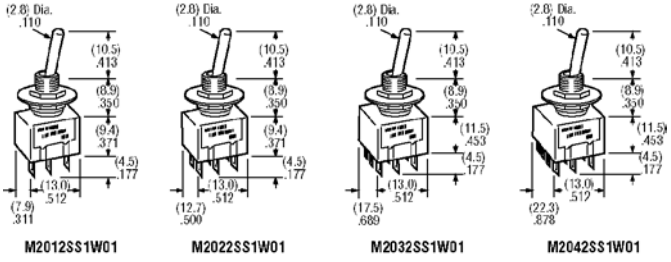


**Subminiature Toggle Switches**

**M Series Features:** 356,000 different configurations; most popular shown here. Epoxy sealed terminals, high torque bushings, anti-jamming levers, stainless steel housing. Bright chrome levers. 1/4-40 threaded .350" long bushing with keyway. Solder lug terminals with holes .043" x .079". **Electrical Capacity:** 6 A @ 125 VAC or 30 VDC. **Dielectric Strength:** 1,500 VAC min. **Electrical Life:** 25,000 operations min. **Standard Hardware:** 2 hex nuts, 1 locking ring, 1 lockwasher.

**Bat Lever with Threaded Bushing and Solder Lugs**

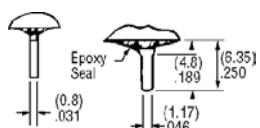


Lever of brass with bright chrome finish. Standard bushing and terminal characteristics noted in introduction.

Stock No.	Mfr.'s Type	Pole Throw	Circuit ( ) = momentary	EACH		
				1-24	25-99	100-499
870-9118	M2011SS1W01	SPST	on-none-off	3.30	2.84	2.51
870-8600	M2012SS1W01	SPDT	on-none-on	3.50	3.01	2.66
870-8601	M2013SS1W01	SPDT	on-off-on	4.10	3.53	3.12
870-8602	M2015SS1W01	SPDT	on-none-(on)	4.60	3.96	3.50
870-8603	M2018SS1W01	SPDT	(on)-off-(on)	4.70	4.04	3.57
870-8604	M2019SS1W01	SPDT	on-off-(on)	4.70	4.04	3.57
870-8610	M2024SS1W01	SP3T	on-on-on	7.50	6.45	5.70
870-8611	M2026SS1W01	SP3T	(on)-on-(on)	7.90	6.79	6.00
870-8612	M2027SS1W01	SP3T	on-on-(on)	7.90	6.79	6.00
870-8605	M2022SS1W01	DPDT	on-none-on	5.25	4.52	3.99
870-8606	M2023SS1W01	DPDT	on-off-on	6.10	5.25	4.64
870-8607	M2025SS1W01	DPDT	on-none-(on)	7.00	6.02	5.32
870-8608	M2028SS1W01	DPDT	(on)-off-(on)	7.30	6.28	5.55
870-8609	M2029SS1W01	DPDT	on-off-(on)	7.30	6.28	5.55
870-8617	M2044SS1W01	DP3T	on-on-on	17.50	15.05	13.30
870-8618	M2046SS1W01	DP3T	(on)-on-(on)	17.50	15.05	13.30
870-8619	M2047SS1W01	DP3T	on-on-(on)	17.50	15.05	13.30
870-8613	M2032SS1W01	3PDT	on-none-on	8.75	7.53	6.65
870-8614	M2033SS1W01	3PDT	on-off-on	11.00	9.46	8.36
870-8615	M2042SS1W01	4PDT	on-none-on	12.05	10.36	9.16
870-8616	M2043SS1W01	4PDT	on-off-on	14.40	12.38	10.94

**Bat Lever with Threaded Bushing and Straight PC Terminals**

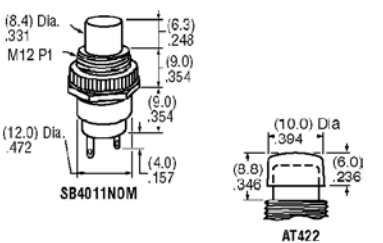
Silver plated PC terminals are spaced .185" center-to-center and .189" from pole to pole. Recommended PC board hole diameter is .073".



Stock No.	Mfr.'s Type	Pole Throw	Circuit ( ) = momentary	EACH		
				1-24	25-99	100-499
870-9105	M2012SS1W03	SPDT	on-none-on	3.62	3.11	2.75
870-9106	M2013SS1W03	SPDT	on-off-on	4.22	3.63	3.21
870-9107	M2015SS1W03	SPDT	on-none-(on)	4.72	4.06	3.59
870-9108	M2018SS1W03	SPDT	(on)-off-(on)	4.82	4.15	3.66
870-9109	M2019SS1W03	SPDT	on-off-(on)	4.82	4.15	3.66
870-9110	M2024SS1W03	SP3T	on-on-on	7.74	6.66	5.88
870-9111	M2026SS1W03	DPDT	on-none-on	5.21	4.72	4.31
870-9112	M2028SS1W03	DPDT	on-off-on	6.34	5.45	4.82
870-9116	M2032SS1W03	3PDT	on-none-on	9.11	7.83	6.92
870-9117	M2042SS1W03	4PDT	on-none-on	12.53	10.78	9.52

**SB Series Pushbuttons**

Rugged subminiature pushbutton switch. NO = Normally Open and NC = Normally Closed. Black plunger. **Resistive Load:** 3 A @ 125 VAC. **Dielectric Strength:** 1,000 VAC minimum. **Electrical Life:** 10,000 operations minimum. **Travel:** .088". **Operating Force:** 500 grams.

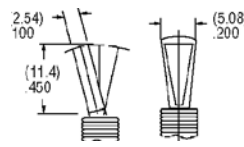


**Switches and Optional Slip-On Caps**

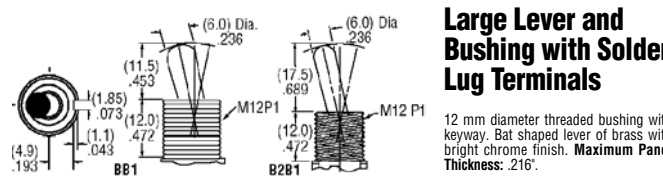
Stock No.	Mfr.'s Type	Pole Throw	Circuit ( ) = momentary	Description	EACH		
					1-24	25-99	100-499
870-8790	SB4011NOM	SPST	off-(on)	Blk Plunger	4.10	3.53	3.15
870-8791	SB4011NCM	SPST	on-(off)	Blk Plunger	4.10	3.53	3.15
870-8780	AT422A	Cap	.394" Dia.	Black	.40	.34	.30
870-8781	AT422B	Cap	.394" Dia.	White	.40	.34	.30
870-8782	AT422C	Cap	.394" Dia.	Red	.40	.34	.30

**Flatted Lever, Threaded Bushing and Solder Lug Terminals**

Lever of brass with bright chrome finish. Antirotation feature assures correctly aligned lever at all times. Standard bushing and terminal characteristics noted in introduction.



Stock No.	Mfr.'s Type	Pole Throw	Circuit ( ) = momentary	EACH		
				1-24	25-99	100-499
870-8646	M2012ES1W01	SPDT	on-none-on	4.50	3.87	3.42
870-8647	M2013ES1W01	SPDT	on-off-on	5.10	4.39	3.88
870-8648	M2015ES1W01	SPDT	on-none-(on)	5.60	4.82	4.26
870-8649	M2018ES1W01	SPDT	(on)-off-(on)	5.70	4.90	4.33
870-8650	M2019ES1W01	SPDT	on-off-(on)	5.70	4.90	4.33
870-8651	M2024ES1W01	SP3T	on-on-on	8.50	7.31	6.46
870-8652	M2022ES1W01	DPDT	on-none-on	6.25	5.38	4.75
870-8653	M2023ES1W01	DPDT	on-off-on	7.10	6.11	5.40
870-8654	M2025ES1W01	DPDT	on-none-(on)	8.00	6.88	6.08
870-8655	M2028ES1W01	DPDT	(on)-off-(on)	8.30	7.14	6.31



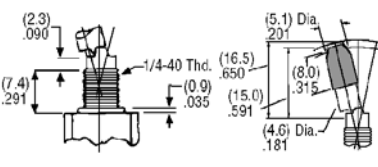
**Large Lever and Bushing with Solder Lug Terminals**

12 mm diameter threaded bushing with keyway. Bat shaped lever of brass with bright chrome finish. **Maximum Panel Thickness:** .216".

Stock No.	Mfr.'s Type	Pole Throw	Circuit ( ) = momentary	EACH		
				1-24	25-99	100-499
870-9703	M2011BB1W01	SPST	on-none-off	5.50	4.73	4.18
870-8656	M2012BB1W01	SPDT	on-none-on	5.70	4.90	4.33
870-8657	M2013BB1W01	SPDT	on-off-on	6.30	5.42	4.79
870-8659	M2018BB1W01	SPDT	(on)-off-(on)	6.90	5.93	5.24
870-8661	M2022BB1W01	DPDT	on-none-on	7.45	6.41	5.66
870-8669	M2032BB1W01	3PDT	on-none-on	10.95	9.42	8.32
870-8673	M2042BB1W01	4PDT	on-none-on	14.25	12.26	10.83
870-5500	M2011B2B1W01	SPST	on-none-off	5.50	4.71	4.19
870-5501	M2012B2B1W01	SPDT	on-none-on	5.70	4.89	4.34
870-5502	M2018B2B1W01	SPDT	(on)-off-(on)	7.10	6.08	5.40
870-5503	M2022B2B1W01	DPDT	on-none-on	7.46	6.39	5.68
870-5504	M2032B2B1W01	3PDT	on-none-on	10.96	9.39	8.34
870-5505	M2042B2B1W01	4PDT	on-none-on	14.20	12.12	10.81

**Locking Lever, Threaded Bushing and Solder Lug Terminals**

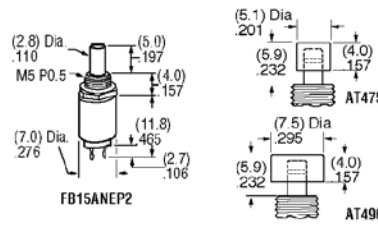
The lever locks in all maintained positions to prevent accidental actuation. Lever material is chrome plated brass with nickel plated cap. Antirotation feature prevents lever misalignment.



Stock No.	Mfr.'s Type	Pole Throw	Circuit ( ) = momentary	EACH		
				1-24	25-99	100-499
870-8676	M2012LL1W01	SPDT	on-none-on	6.08	5.23	4.62
870-8677	M2013LL1W01	SPDT	on-off-on	6.68	5.74	5.08
870-8678	M2015LL1W01	SPDT	on-none-(on)	7.18	6.17	5.46
870-8679	M2018LL1W01	SPDT	(on)-off-(on)	7.28	6.26	5.53
870-8680	M2019LL1W01	SPDT	on-off-(on)	7.28	6.26	5.53
870-8681	M2022LL1W01	DPDT	on-none-on	7.83	6.73	5.95
870-8682	M2023LL1W01	DPDT	on-off-on	8.68	7.46	6.60
870-8684	M2032LL1W01	3PDT	on-none-on	11.33	9.74	8.61
870-8686	M2042LL1W01	4PDT	on-none-on	14.65	13.42	12.27

**FB Series Pushbuttons**

Super-subminiature, momentary with epoxy sealed solder lug/PC terminals. White plunger. **Resistive Load:** 500 mA @ 125 VAC. **Dielectric Strength:** 1,000 VAC min. **Electrical Life:** 50,000 operations min. **Total Travel:** .065". **Operating Force:** 220 grams average.



**Switches and Optional Slip-On Caps**

Stock No.	Mfr.'s Type	Pole Throw	Circuit ( ) = momentary	Description	EACH		
					1-24	25-99	100-499
870-0905	FB15ANEP2	SPST	off-(on)	Wht Plunger	3.45	2.97	2.66
870-1201	AT475A	Cap	.201" dia.	Black	.26	.22	.19
870-1202	AT475B	Cap	.201" dia.	White	.26	.22	.19
870-1200	AT475C	Cap	.201" dia.	Red	.26	.22	.19
870-0901	AT496A	Cap	.295" dia.	Black	.32	.28	.24
870-0902	AT496B	Cap	.295" dia.	White	.32	.28	.24
870-0900	AT496C	Cap	.295" dia.	Red	.32	.28	.24