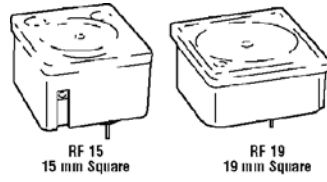


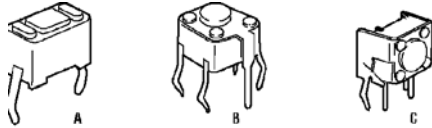
**RF 15 and 19 Series Tactile Switches**



Momentary SPST PCB mounted tactile switches. **Operating Life:** 1,000,000 cycles minimum. **Operating Temperature:** -25°C to 70°C. Gold contacts are rated to 42 V and 100 mA AC/DC, maximum power 2 W. Silver contacts are rated to 50 V and 250 mA AC/DC, maximum power 12.5 W. **Actuator Height:** 9.7 mm. Other actuator heights and spot-or full-illumination are also available.

Stock No.	Mfr.'s Type	Model	Contact Material	Illumination	Actuator Color	EACH		
						1-99	100-499	500-999
676-4156	3.14100.001	RF 15	Gold	None	Clear	2.47	2.20	2.00
676-4157	3.14100.006	RF 15	Silver	None	Clear	2.15	1.92	1.76
676-9106	3.14100.030	RF 15	Gold	Spot	Blue	16.34	14.16	13.07
676-9107	3.14100.031	RF 15	Gold	Spot	Red	5.32	4.61	4.25
676-9108	3.14100.032	RF 15	Gold	Spot	Green	5.32	4.61	4.25
676-9109	3.14100.033	RF 15	Gold	Spot	Yellow	5.32	4.61	4.25
676-9110	3.14100.040	RF 15	Silver	Spot	Blue	14.24	12.34	11.39
676-9111	3.14100.041	RF 15	Silver	Spot	Red	4.39	3.81	3.52
676-9112	3.14100.042	RF 15	Silver	Spot	Green	4.39	3.81	3.52
676-9113	3.14100.043	RF 15	Silver	Spot	Yellow	4.39	3.81	3.52
676-4158	3.14001.001	RF 19	Gold	None	Clear	2.71	2.40	2.19
676-4159	3.14001.006	RF 19	Silver	None	Clear	2.15	1.93	1.76
676-9114	3.14001.031	RF 19	Gold	Spot	Red	5.32	4.61	4.25
676-9115	3.14001.032	RF 19	Gold	Spot	Green	5.32	4.61	4.25
676-9116	3.14001.033	RF 19	Gold	Spot	Yellow	5.32	4.61	4.25
676-9117	3.14001.040	RF 19	Gold	Spot	Blue	15.97	13.84	12.77
676-9118	3.14001.041	RF 19	Silver	Spot	Red	4.92	4.27	3.94
676-9119	3.14001.042	RF 19	Silver	Spot	Green	4.92	4.27	3.94
676-9120	3.14001.043	RF 19	Silver	Spot	Yellow	4.92	4.27	3.94

**PTS Series Subminiature Tactile Switches**



Tactile feel. PC mountable tactile switches. SPST normally open momentary. **Contact Rating:** 50 mA @ 12 V DC. **Mechanical and Electrical Life:** 25,000 operations for PTS635S and PTS453S/T models; 100,000 operations for PTS645S/T and PTS645V models; 200,000 operations for PTS125S models. **Contact Resistance:** 100 MΩ max. initial. **Operating Temperature:** -10°C to 60°C.

**6 × 3.5 mm Models**

Stock No.	Mfr.'s Type	Fig.	Operating Force	Switch Height	ESD Pin	EACH		
						1-99	100-499	500-999
676-5050	PTS635SL43*	A	130	0.169	—	.46	.39	.37

**4.5 × 4.5 mm Models**

676-5054	PTS453SL38*	B	130	0.150	No	.59	.51	.47
676-5055	PTS453TL38*	B	130	0.150	Yes	.53	.46	.42

**6 × 6 mm Models**

676-5056	PTS645SL43*	B	130	0.169	No	.34	.29	.27
676-5065	PTS645TL50*	B	130	0.197	Yes	.35	.30	.27
676-5066	PTS645TL70*	B	130	0.275	Yes	.34	.29	.27
676-5072	PTS645VL31*	C	130	0.124	—	.40	.34	.32
676-5075	PTS645VL83*	C	130	0.329	—	.40	.34	.32
676-5077	PTS645VH31†	C	200	0.124	—	.34	.29	.27
676-5080	PTS645VH83†	C	200	0.329	—	.40	.34	.32

**6 × 3.5 mm Surface Mount Models**

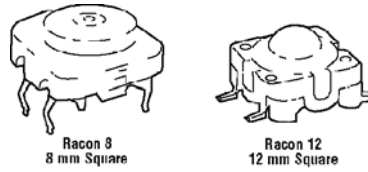
676-9121	PTS635SL43SM*	D	130	0.159	—	.64	.55	.51
676-9122	PTS635SH43SM†	D	200	0.159	—	.64	.55	.51
676-9123	PTS635SL25SM*	D	130	0.169	—	.64	.55	.51
676-9124	PTS635SK25SM†	D	200	0.169	—	.72	.61	.57

**12 × 12 mm Models**

676-5082	PTS125SM43†	E	160	0.169	—	.39	.34	.31
676-5083	PTS125SM85†	F	160	0.335	—	.35	.31	.28

Actuator Color: \*Black; †Gray.

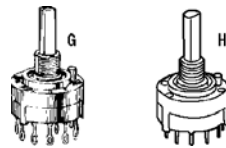
**Racon 8, 12 and 12H Series Short Travel Tactile Switches**



Momentary SPST PCB mounted tactile switches are solder-proof and wash-proof. **Operating Life:** 1,000,000 cycles minimum. These switches are rated at 42 VAC/DC and 100 mA. **Actuator Height:** 5 mm or 6.5/6.6 mm. Other actuator heights are also available.

Stock No.	Mfr.'s Type	Model	Terminals	Actuator Type	EACH		
					1-99	100-499	500-999
676-4150	1.14100.001	8	Outward	Flush	4.04	3.59	3.27
676-4151	1.14100.002	8	Inward	Flush	3.68	3.25	3.00
676-4152	1.14100.003	8	SMD	Flush	3.12	2.78	2.54
676-9100	1.14100.011	8	Outward	Extended	4.18	3.62	3.35
676-9101	1.14100.012	8	Inward	Extended	4.18	3.62	3.34
676-9102	1.14100.013	8	SMD	Extended	2.10	1.82	1.68
676-4153	1.14001.001	12	Outward	Flush	3.68	3.28	2.99
676-4154	1.14001.002	12	Inward	Flush	3.74	3.33	3.04
676-4155	1.14001.003	12	SMD	Flush	1.77	1.55	1.41
676-9103	1.14001.011	12	Outward	Extended	4.18	3.62	3.34
676-9104	1.14001.012	12	Inward	Extended	4.18	3.62	3.34
676-9105	1.14001.013	12	SMD	Extended	1.96	1.70	1.57

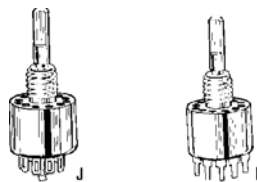
**A Series Rotary Switches**



**Contact Rating:** Switch — 2.5 amps at 125 VAC; 350 mA at 250 VDC (UL/CSA); Carry — 5 amps continuous. **Electrical Life:** 15,000 make-and-break cycles at full load. **Insulation Resistance:** 10<sup>9</sup> ohms min. **Dielectric Strength:** 1,000 V rms min. at sea level. **Housing, Top Plate, and Bushing:** Glass filled nylon. **Movable Contact:** Coin silver, silver plated. **Stationary Contacts and Terminals:** Brass, silver plated. **Included Hardware:** Nut, lockwasher, and stop ring.

Stock No.	Mfr.'s Type	Fig.	Terminals	No. of Poles	No. of Positions	EACH		
						1-99	100-499	500-999
676-4257	A11215RNZQ	K	Solder	SP	12	3.97	3.54	3.23
676-4258	A20615RNZQ	K	Solder	DP	6	5.19	4.61	4.23
676-4259	A30415RNZQ	K	Solder	3P	4	4.15	3.70	3.37
676-4260	A40315RNZQ	K	Solder	4P	3	5.68	5.05	4.61
676-4261	A11215RNCQ	L	PC	SP	12	4.89	4.36	3.98
676-4262	A20615RNCQ	L	PC	DP	6	5.19	4.61	4.23
676-4263	A30415RNCQ	L	PC	3P	4	5.13	4.58	4.17
676-4264	A40315RNCQ	L	PC	4P	3	5.62	4.99	4.56

**M Series Half-Inch Rotary Switches**



**Contact Rating:** Switch — 250 mA max. at 125 VAC or 28 VDC; Carry — 6 amps continuous, non-shorting contacts. **Electrical Life:** 10,000 make-and-break cycles at 150 mA, 125 VAC or 28 VDC. **Insulation Resistance:** 10<sup>9</sup> ohms min. **Dielectric Strength:** 600 V rms min. at sea level. **Housing and Bushing:** Zinc alloy, bright zinc plated with clear chromate finish. **Bushing:** 1/4-28UNF-2A, .250" length. **Actuator:** Zinc alloy, nickel plated. **Base:** Diallyl phthalate, with insert molded terminals. **Contacts and Terminals:** Brass, silver plated. **Indexing:** MA00, MB00, models — 36°; MC00, MD00 models — 30°. All models have full 360° rotation with no stops. Stop pins are supplied for user-selectable stops. **Included Hardware:** Nut and lockwasher.

Stock No.	Mfr.'s Type	Fig.	Terminals	No. of Poles	No. of Positions	EACH		
						1-99	100-499	500-999
676-1980	MA00L1NZQD	M	Solder	SP	10	9.17	8.33	7.61
676-1985	MC00L1NZQD	M	Solder	SP	12	9.40	8.54	7.80
676-1990	MB00L1NZQD	M	Solder	DP	5	10.21	9.25	8.45
676-1995	MD00L1NZQD	M	Solder	DP	6	10.48	9.51	8.69
676-2000	MA00L1NCCD	N	PC	SP	10	7.86	6.13	5.66
676-2006	MC00L1NCCD	N	PC	SP	12	9.69	7.52	6.95
676-2010	MB00L1NCCD	N	PC	DP	5	10.49	8.15	7.53
676-2015	MD00L1NCCD	N	PC	DP	6	10.76	8.38	7.74