

C&K Pushbutton Switches



C&K EP SERIES: SEALED TINY PUSHBUTTON SWITCHES

- Features:**
- Epoxy sealed against solder & cleaning processes
- Applications:**
- Telecommunication equipment
 - Computer peripherals
 - Instrumentation
- Specifications:**
- Contact material: B - Cu alloy, with Au plate over Ni plate, Au plate terminal
K - Au with Sn/Pb
P - Cu alloy, with Au plate over Ni plate, matte tin plate terminal
 - Contact rating: B & P - 0.4VA @ 20VAC or DC max.
 - Plunger material: Thermoplastic polyester or glass filled nylon (UL94V-0) with o-ring seal
 - IP67 degree of protection

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contacts Form	Circuit () = Momentary	Contact Material	Price Each			
						1	25	50	100
PC Thru-Hole									
611-EP11-003	EP11SD1CBE	A	SPST	(On)-Off	B	4.39	4.06	3.86	3.61
611-EP12-003	EP12SD1CBE	A	SPDT	(On)-On	B	5.79	5.33	5.01	4.22
611-EP21-003	EP21SD1CBE	B	DPST	(On)-Off	B	10.05	9.36	8.84	8.24
Right-Angle PC Thru-Hole									
611-EP11-001	EP11SD1ABE	C	SPST	(On)-Off	B	5.00	4.38	4.20	4.04
611-EP11-002	EP11SD1AVBE	D	SPST	(On)-Off	B	5.31	4.96	4.51	4.25
611-EP12-001	EP12SD1ABE	C	SPDT	(On)-On	B	7.04	6.56	6.18	5.77
611-EP12-011	EP12SD1AVBE	D	SPDT	(On)-On	B	7.23	6.74	6.37	5.93
611-EP11S2D1ABE	EP11S2D1ABE	E	SPST	Off-(On)	B	8.53	6.76	6.37	5.94
611-EP21-001	EP21SD1ABE	F	DPST	(On)-Off	B	8.60	8.34	7.43	7.23
Right-Angle Surface Mount									
611-EP11-004	EP11SD1SAKE	G	SPST	(On)-Off	K	4.73	4.50	4.29	4.07
611-EP11-004P	EP11SD1SAPE	G	SPST	(On)-Off	P	5.47	5.13	4.59	4.06

C&K TP SERIES: TINY PUSHBUTTON SWITCHES

- Features:**
- Subminiature size capable of switching up to 1A
- Applications:**
- Telecommunication equipment
 - Computer peripherals
 - Instrumentation
- Specifications:**
- Contact material: B - Cu alloy, with Au plate over Ni plate, Au plate terminal
Q - Cu alloy, with Ag plate, Ag plate terminal
 - Contact rating: B - 0.4VA @ 20VAC or DC max.
Q - 1A @ 120VAC or 28VDC
 - Plunger material: Thermoplastic polyester (UL94V-0)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contacts Form	Circuit () = Momentary	Contact Material	Price Each			
						1	25	50	100
PC Thru-Hole									
611-TP11-005	TP11SH9CBE	H	SPST	(On)-Off	B	6.82	6.35	5.99	5.57
611-TP11LTCQE	TP11LTCQE	I	SPST	Off-(On)	Q	7.55	5.85	5.57	4.76
611-TP11SHCBE	TP11SHCBE	H	SPST	Off-(On)	B	6.82	6.35	5.99	5.57
611-TP11SHCQE	TP11SHCQE	H	SPST	Off-(On)	Q	4.20	4.00	3.90	3.87
611-TP12SHCBE	TP12SHCBE	H	SPDT	(On)-Off	B	7.47	6.97	6.62	6.32
611-TP21SH9CBE	TP21SH9CBE	J	DPST	Off-(On)	B	15.57	14.15	12.85	11.82
Right-Angle PC Thru-Hole									
611-TP11-006	TP11SH8ABE	K	SPST	(On)-Off	B	9.24	7.86	6.89	6.09
611-TP11-004	TP11SH9ABE	K	SPST	Off-(On)	B	4.93	4.78	4.40	4.30
611-TP12-007	TP12SH8AQE	K	SPDT	(On)-On	Q	8.87	8.26	7.79	7.26
611-TP11SH8AGE	TP11SH8AGE	K	SPST	(On)-Off	G	6.82	6.45	5.89	5.71
611-TP11SH8AQE	TP11SH8AQE	K	SPST	(On)-Off	Q	4.75	4.54	4.30	4.20
611-TP11SH8AVBE	TP11SH8AVBE	K	SPST	(On)-Off	B	4.73	4.50	4.40	4.30
611-TP11-009	TP11SH9AVBE	L	SPST	Off-(On)	B	7.29	6.79	6.41	5.98
611-TP12-006	TP12SH8ABE	M	SPDT	(On)-On	B	9.16	8.54	8.07	7.50
611-TP12-004	TP12SH9ABE	M	SPDT	(On)-On	B	9.66	8.94	8.47	8.00
611-TP12-008	TP12SH8AVBE	N	SPDT	(On)-On	B	5.94	5.76	5.60	5.50
611-TP21SH8ABE	TP21SH8ABE	J	DPST	Off-(On)	B	14.80	12.84	8.50	8.40
Solder Lug									
611-TP11-002	TP11SHZQE	O	SPST	Off-(On)	Q	3.95	3.60	3.38	3.23
611-TP11J81ZQE22	TP11J81ZQE22	P	SPST	Off-(On)	Q	5.08	4.71	4.45	4.43
611-TP11SHZBE	TP11SHZBE	O	SPST	Off-(On)	B	7.89	6.77	5.83	5.07
611-TP12-002	TP12SHZQE	Q	SPDT	Off-(On)	Q	8.27	7.71	7.28	6.79
611-TP12SHZBE	TP12SHZBE	R	SPDT	Off-(On)	B	6.81	6.22	5.68	5.38
611-TP21-002	TP21SHZQE	R	DPST	Off-(On)	Q	12.68	11.81	11.15	10.40
611-TP21SHZBE	TP21SHZBE	S	DPST	Off-(On)	B	13.85	10.72	10.23	8.83

C&K E020 SERIES: SEALED SNAP-ACTING PUSHBUTTON SWITCHES

- Features:**
- Sealed construction - internal o-ring & epoxy base
- Applications:**
- Telecommunication equipment
 - Computer peripherals
 - Instrumentation
- Specifications:**
- Contact material: B - Cu alloy, with Au plate over Ni plate, Au plate terminal
G - Coin Ag, with Au plate over Ni plate, Au plate terminal
 - Contact rating: B - 0.4VA @ 20VAC or DC max.
G - 0.4VA @ 20VAC or DC max., or 1A @ 120VAC
 - Vinyl splashproof boot supplied standard. Discard only after soldering and cleaning processes are complete

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contacts Form	Circuit () = Momentary	Contact Material	Price Each			
						1	25	50	100
PC Thru-Hole									
611-E221-001	E221SD1CGE	T	DPDT	On-(On)	G	12.39	12.01	11.15	10.53
611-E121-001	E121SD1CGE	U	SPDT	On-(On)	G	10.39	9.69	9.15	8.52
Right-Angle PC Thru-Hole									
611-E121-002	E121SD1AGE	V	SPDT	On-(On)	G	10.88	10.15	9.57	8.93
611-E125-004	E125SD1ABE	V	SPDT	On-(On)	B	7.80	7.28	6.86	6.40
611-E121SD1AV3GE	E121SD1AV3GE	W	SPDT	On-(On)	G	11.00	10.00	9.20	8.46

DIMENSIONS: in.

Figures A through W illustrate the dimensions for various C&K pushbutton switch models. Key dimensions include plunger height, terminal spacing, and body width. Figures A-F show SPST and DPST models in PC thru-hole and right-angle PC thru-hole configurations. Figures G-I show right-angle surface mount models. Figures J-L show TP series models in PC thru-hole and right-angle PC thru-hole configurations. Figures M-O show TP series models in PC thru-hole and right-angle PC thru-hole configurations. Figures P-R show TP series models with solder lugs. Figures S-U show E020 series models in PC thru-hole and right-angle PC thru-hole configurations. Figures V-W show E020 series models in PC thru-hole and right-angle PC thru-hole configurations.

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