

Miniature Toggle Switches

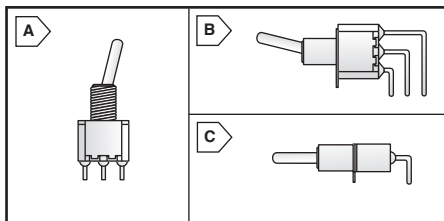
E-SWITCH™ MINIATURE TOGGLE SWITCHES, 100 AND 100A SERIES

Specifications for 100 and 100A Series:

- Contact resistance: 10mΩ max. initial @ 2-4VDC 100mA for both silver and gold plated contacts.
- Insulation resistance: 1,000MΩ min.
- Dielectric strength: 1,000Vrms @ sea level
- Operating temperature: -30°C to 85°C

Contact Material Options:

- **Q** - Fixed terminal and moving contact: silver plated over copper alloy
Contact rating: 5A with resistive load @ 120VAC or 28VDC, 2A with resistive load @ 250VAC
- **R** - Fixed terminal and moving contact: copper alloy with gold plate over nickel plate
Contact rating: 0.4VA max. @ 20V max. (AC or DC)



() = Momentary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Options			Contact Material Options	Price Each			
					Actuator	Bush	Term		1	10	50	100
100 Series - Metal Bushing												
612-100-A1421	100SP1T1B4M2QE	A	SPDT	On-On	T1	B4	M2	Q	2.63	2.37	2.01	1.65
612-100-A2111	100SP1T2B1M1QE	A	SPDT	On-On	T2	B1	M1	Q	2.63	2.37	2.01	1.65
612-100-A1112	100SP1T1B1M1RE	A	SPDT	On-On	T1	B1	M1	R	2.87	2.58	2.19	1.80
612-100-A1122	100SP1T1B1M2RE	A	SPDT	On-On	T1	B1	M2	R	5.88	5.29	4.50	3.53
612-100-A2472	100SP1T2B4M7RE	B	SPDT	On-On	T2	B4	M7	R	3.80	3.42	2.91	2.38
612-100-A6461	100SP1T6B12M6RE	C	SPDT	On-On	T6	B12	M6	R	4.79	4.31	3.67	3.00
612-100-C1112	100SP3T1B1M1RE	A	SPDT	On-Off-On	T1	B1	M1	R	2.96	2.67	2.27	1.85
612-100-C1462	100SP3T1B4M6RE	C	SPDT	On-Off-On	T1	B4	M6	R	3.85	3.46	2.95	2.41
612-100-D1111	100SP4T1B1M1QE	A	SPDT	(On)-Off-(On)	T1	B1	M1	Q	6.06	5.46	4.65	3.63
612-100-D1121	100SP4T1B1M2QE	A	SPDT	(On)-Off-(On)	T1	B1	M2	Q	3.12	2.80	2.39	2.00
612-100-D6121	100SP4T6B11M2QE	A	SPDT	(On)-Off-(On)	T6	B11	M2	Q	4.01	3.61	3.07	2.41
612-100-E1111	100SP5T1B1M1QE	A	SPDT	On-Off-(On)	T1	B1	M1	Q	3.30	2.97	2.53	2.07
612-100-E2462	100SP5T2B4M6RE	C	SPDT	On-Off-(On)	T2	B4	M6	R	4.75	4.27	3.64	2.97
612-100-L1111	100DP6T1B1M1QE	A	DPDT	On-On-On	T1	B1	M1	Q	5.31	4.78	4.07	3.32
612-100-F1111	100DP1T1B1M1QE	A	DPDT	On-On	T1	B11	M1	Q	6.35	5.71	4.87	3.81
612-100-F1112	100DP1T1B1M1RE	A	DPDT	On-On	T1	B11	M1	R	3.61	3.25	2.76	2.26
612-100-F1122	100DP1T1B1M2RE	A	DPDT	On-On	T1	B1	M2	R	3.61	3.25	2.76	2.26
100A Series - Sealed (Plastic Bushing)												
612-100A-A1422	100AWSP1T1B4M2R	A	SPDT	On-On	T1	B4	M2	R	3.85	3.46	2.95	2.31
612-100A-A2462	100AWSP1T2B4M6R	C	SPDT	On-On	T2	B4	M6	R	4.77	4.29	3.65	2.86
612-100A-C1422	100AWSP3T1B4M2R	A	SPDT	On-Off-On	T1	B4	M2	R	6.34	5.71	4.86	3.81
612-100A-C2472	100AWSP3T2B4M7R	B	SPDT	On-Off-On	T2	B4	M7	R	5.41	4.87	4.15	3.25
612-100A-D2412	100AWSP4T2B4M1R	A	SPDT	(On)-Off-(On)	T2	B4	M1	R	5.61	5.05	4.30	3.37
612-100A-D2462	100AWSP4T2B4M6R	C	SPDT	(On)-Off-(On)	T2	B4	M6	R	6.01	5.42	4.61	3.60
612-100A-D2472	100AWSP4T2B4M7R	B	SPDT	(On)-Off-(On)	T2	B4	M7	R	6.34	5.72	4.86	3.81

E-SWITCH™ SUB-MINIATURE TOGGLE SWITCHES, 200 AND 200A SERIES

Specifications for 200 and 200A Series:

- Contact resistance: 20mΩ max. initial @ 2-4VDC 100mA for both silver and gold plated contacts.
- Insulation resistance: 1,000MΩ min.
- Dielectric strength: 1,000Vrms @ sea level
- Operating temperature: -30°C to 85°C

Contact Material Options:

- **Q** - Fixed terminal and moving contact: silver plated over copper alloy
Contact rating: 5A with resistive load @ 120VAC or 28VDC, 2A with resistive load @ 250VAC
- **R** - Fixed terminal and moving contact: copper alloy with gold plate over nickel plate
Contact rating: 0.4VA max. @ 20V max. (AC or DC)

() = Momentary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Options			Contact Material Options	Price Each			
					Actuator	Bush	Term.		1	10	50	100
200 Series												
612-200-A1111	200MSP1T1B1M1QE	A	SPDT	On-On	T1	B1	M1	Q	4.61	4.16	3.54	2.77
612-200-A1121	200MSP1T1B1M2QE	A	SPDT	On-On	T1	B1	M2	Q	2.77	2.50	2.13	1.66
612-200-A2272	200MSP1T2B2M7RE	B	SPDT	On-On	T2	B2	M7	R	4.12	3.71	3.15	2.47
612-200-C1111	200MSP3T1B1M1QE	A	SPDT	On-Off-On	T1	B1	M1	Q	3.73	3.37	2.87	2.24
612-200-C1121	200MSP3T1B1M2QE	A	SPDT	On-Off-On	T1	B1	M2	Q	3.46	3.12	2.66	2.08
612-200-C2262	200MSP3T2B2M6RE	C	SPDT	On-Off-On	T2	B2	M6	R	4.98	4.49	3.82	2.99
200A Series-Sealed												
612-200A-A2182	200AWMSP1T2A1VS2R	A	SPDT	On-On	T2	A1	VS2	R	4.42	3.98	3.40	2.65
612-200A-A2162	200AWMSP1T2A1M6R	C	SPDT	On-On	T2	A1	M6	R	4.22	3.78	3.23	2.53

DIMENSIONS: mm

Actuator Options

T1

Series	D	L
100	2.9	10.4
100A	2.9	10.4
200	2.54	9.4
200A	2.54	10.2

T2

Series	D	L
100	2.7	5.1
100A	2.7	5.1
200	2.54	5.3
200A	2.54	6.1

T6

Series	D	L
100	2.7	5.1
100A	2.7	5.1
200	2.54	5.3
200A	2.54	6.1

Bushing Options

B1

Series	NS	H
100	1/4-40	8.9
200	10-48	5.6

B2

Series	H
100	7.1
100A	6.4

B3

Series	H
100	7.1
100A	6.4

B4

Series	H
100	7.1
100A	6.4

B11

Series	H
100	7.1
100A	6.4

A1

Series	H
100	7.1
100A	6.4

Termination Options

M1

Series	H
100&100A	4.0
200&200A	4.1

M2

Series	H
100&100A	4.8
200&200A	3.3

VS2

Series	H
100&100A	4.7
200&200A	4.7

M6

Series	H
100&100A	6.9
200&200A	3.2

M7

Series	H
100&100A	8.1
200&200A	3.3

ELECTROSWITCH™ MINIATURE TOGGLE SWITCHES



Materials:

- Base (body): 1- and 2-pole - Dialyl Phthalate (DAP)
3- and 4-pole - high strength phenolic
- Bushing: Brass, nickel plated
- Switching Contacts: Coin silver
- Center Terminal: Silver plated brass

Power Rating:

- 6A @ 125VAC
- 3A @ 250VAC

()Momentary For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Type	Circuit	Price Each			
					1	25	50	100
690-A121S1YZQ	A121S1YZQ	A	SPDT	On-Off-On	8.42	7.96	7.02	6.13
690-A123S1YZQ	A123S1YZQ	A	SPDT	On-None-On	7.51	7.11	6.27	5.47
690-A126S1YZQ	A126S1YZQ	A	SPDT	On-None-(On)	11.67	11.02	9.73	8.49
690-A127S1YZQ	A127S1YZQ	A	SPDT	(On)-Off-(On)	9.22	8.71	7.68	6.70
690-A131S1YZQ	A131S1YZQ	A	SPDT	On-Off-(On)	8.62	8.15	7.19	6.26
690-A221S1YZQ	A221S1YZQ	B	DPDT	On-Off-On	12.22	11.54	10.20	8.89
690-A223S1YZQ	A223S1YZQ	B	DPDT	On-None-On	10.28	9.73	8.58	7.47
690-A226S1YZQ	A226S1YZQ	B	DPDT	On-None-(On)	16.16	15.26	13.48	11.77
690-A227S1YZQ	A227S1YZQ	B	DPDT	(On)-Off-(On)	14.08	13.30	11.75	10.25
690-A232S1YZQ	A232S1YZQ	B	DPDT	On-On-On	13.57	12.82	11.30	9.88
690-A323S1YZQ	A323S1YZQ	C	3PDT	On-None-On	11.19	10.71	10.27	9.86
690-A327S1YZQ	A327S1YZQ	C	3PDT	(On)-Off-(On)	11.32	10.84	10.39	9.98
690-A421S1YZQ	A421S1YZQ	D	4PDT	On-Off-On	26.03	24.57	21.68	18.93
690-A423S1YZQ	A423S1YZQ	D	4PDT	On-None-On	25.88	24.45	21.56	18.82

DIMENSIONS: in.

A

B

C

D