

E Series

Sub-Miniature Snap-Action Switches

CHERRY

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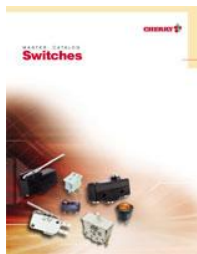
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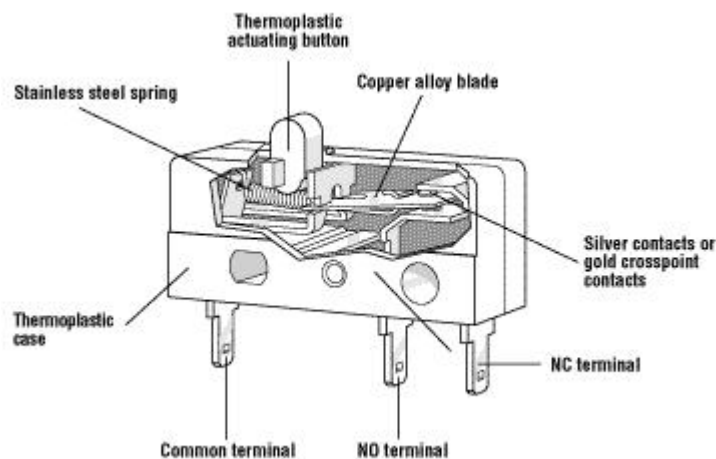


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FEATURES

- 3 current ratings
- Choice of actuator
- 5 terminal types
- 3 contact arrangements
- Long-life coil spring mechanism
- DC ratings available upon request
- High-temperature version available
- 2-, 3-, 4-, and 5-pole [modules](#) available



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ELECTRICAL RATINGS

Switch Series	EN61058 Rating	UL1054 Rating	Electrical Life at Rated Load	
			According to VDE (Min. Operations)	According to UL (Min. Operations)
E61	N/A	5A, 125/250VAC 5A, 30VDC (optional)	N/A	6,000*
E62	N/A	10.1A, 125/250VAC; 1/4HP, 125VAC	N/A	6,000
E63	N/A	0.1A, 125VAC 0.25A, 30VDC (optional)	N/A	6,000

*Indicates 100K life available.

SPECIFICATIONS

Electrical

Temperature Rating: -40° to +85°C, +130° optional using thermoset material

Flammability Rating: UL94HB

Materials

Case: Thermoplastic

Actuating Button: Thermoplastic Acetal

Terminals: Silver-Plated Commercial Bronze

Moving Blade: Beryllium Copper

Spring: Stainless Steel

E SERIES



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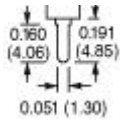


[Click here for information on space-saving multi-pole E Series Modules](#)

Cold Rolled Steel (Nickel-Plated)

Fine Silver (except E63 — Gold Crosspoint)

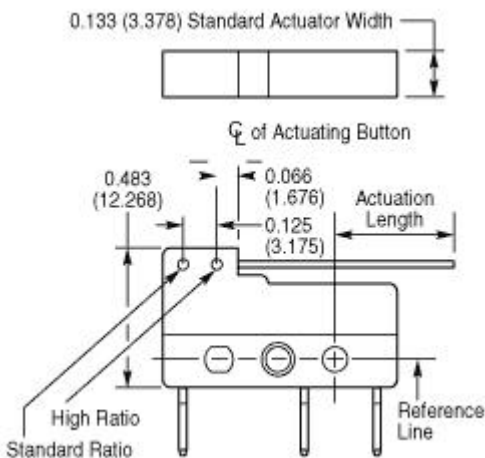
PCB

PCB (W x L) 0.051" x 0.191" (1.30mm x 4.85mm)		N/A	-50A	-51A	-52A
Consult factory when ordering PCB terminals.					

[Click any image for larger view.](#)

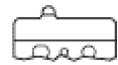
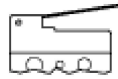


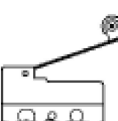
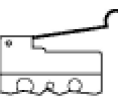
ACTUATORS

Many special forms and lengths of actuators are available. Standard type integral hinged lever and roller actuators are available in choice of 2 pivot positions. Actuation lengths are dimensioned from centerline of switch mounting hole as shown.




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ACTUATOR SPECIFICATIONS

Actuator Type	Switch Type	Maximum Operating Force (grams)				Max. Pre-Travel inches (mm)	Operating Point* inches (mm)	Min. Over-Travel inches (mm)	Max. Movement Differential inches (mm)
		E61	E62	E63	E64				
-00A		90	212	90	335	0.030 (0.76)	0.330±0.015 (8.38±0.38)	0.040 (1.02)	0.004 (0.10)
-00H		27	56	27	100	0.144 (3.66)	0.350±0.030 (8.89±0.76)	0.040 (1.02)	0.020 (0.51)
-50H		9	20	9	35	0.416 (10.57)	0.350±0.175 (8.89±4.45)	0.050 (1.27)	0.050 (1.27)
-00K		30	65	30	110	0.131 (3.33)	0.570±0.030 (14.48±0.76)	0.030 (0.76)	0.020 (0.51)
-50K		10	33	10	40	0.379 (9.63)	0.570±0.158 (14.48±4.01)	0.040 (1.02)	0.050 (1.27)
-00R		30	65	30	110	0.130 (3.30)	0.574±0.054 (14.58±1.37)	0.030 (0.76)	0.020 (0.51)

0.379 0.570±0.156 0.050 0.050

-50R		10	22	10	40	0.379 (9.63)	0.570±0.156 (14.48±3.96)	0.050 (1.27)	0.050 (1.27)
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*Measured above reference line. Refer to dimensional drawing above.

**Actuator tolerance of ±0.031 inches (0.79mm).

CIRCUITRY

Contact arrangement available in choice of single pole double throw (SPDT) or single pole single throw (SPST), either normally open (NO) or normally closed (NC). In general, normally open may be specified by changing suffix number from 00 to 01 and normally closed by changing suffix number to 02.

Example:

E61-01A is normally open.

E61-02A is normally closed.

ORDERING INFORMATION

Select the current rating you need. Combine the corresponding Series/Prefix number with the appropriate suffix number for the switch type, circuitry and terminals you require. See additional note under terminals.

Example: To order the E61-50R with 0.110" (2.79mm) QC terminals, order an E61-80R.

Note: 0.093" (2.36mm) Quick Connect terminals are standard.

To order solder terminals add 10 to suffix.

To order 0.110" (2.79mm) QC terminals add 30 to suffix.

For PCB terminals consult factory for part numbers.

Example: The basic E61-00A becomes E61-30A for 0.110" (2.79mm) QC terminals.

Specifications subject to change without notice.