

E Series

Miniature Snap-Action Switches



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Product Series Search

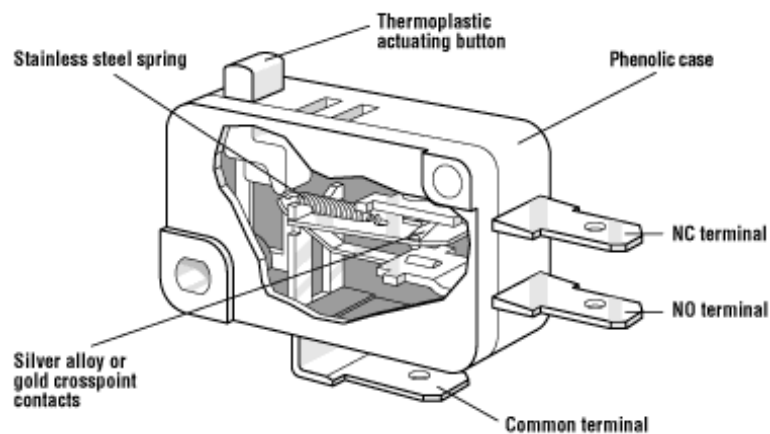
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To download a PDF
of the **Cherry Switches**
Master Catalog,
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Features

- 8 current ratings AC
- 3 current ratings DC
- Choice of actuator styles
- Choice of terminals
- 3 contact arrangements
- Long-life coil spring mechanism
- Agency approved extended life versions
- High-temperature versions available



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Electrical Ratings

E Series



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Switch Series	EN61058 Rating	UL1054 Rating	Electrical Life at Rated Load
			According to UL (Min. Operations)
E21	N/A	0.1A, 125VAC (0.25A, 30VDC optional)	6,000*
E22	N/A	3A, 125/250VAC 1/10HP, 250VAC (0.1A, 125VDC optional)	6,000
E23	N/A	5A, 1/4HP, 125/250VAC	6,000
E31	N/A	1A, 125VAC	6,000*
E33	N/A	10A, 1/2HP, 125/250VAC (6A, 30VDC optional)	6,000**
E34	N/A	15A, 1/2HP, 125/250VAC	6,000*
E35	N/A	20.1A, 1/2HP, 125/250VAC	6,000
E36	N/A	25A, 125/250VAC; 1HP, 125VAC; 2HP, 250VAC	6,000
* Indicates 100K life available for DC versions only.			
** Indicates 100K life available for AC and DC versions.			

Specifications

Electrical

Temperature Rating: -40° to +85°C (130°C and 150°C optional, except E36)

Flammability Rating: UL94HB

Materials

Case: General Purpose Phenolic

Actuating Button: Thermoplastic Acetal

Common Terminals: Silver-Plated Brass (E21, E22, E23, E31, E33, E34, E35)
Silver-Plated Copper (E36)

NO & NC Terminals: Brass (E21, E22, E23, E31, E33, E34, E35)
Copper (E36)

Moving Blade: Brass (E21, E22, E23)
Silver-Plated Beryllium Copper (E31, E33, E34, E35, E36)

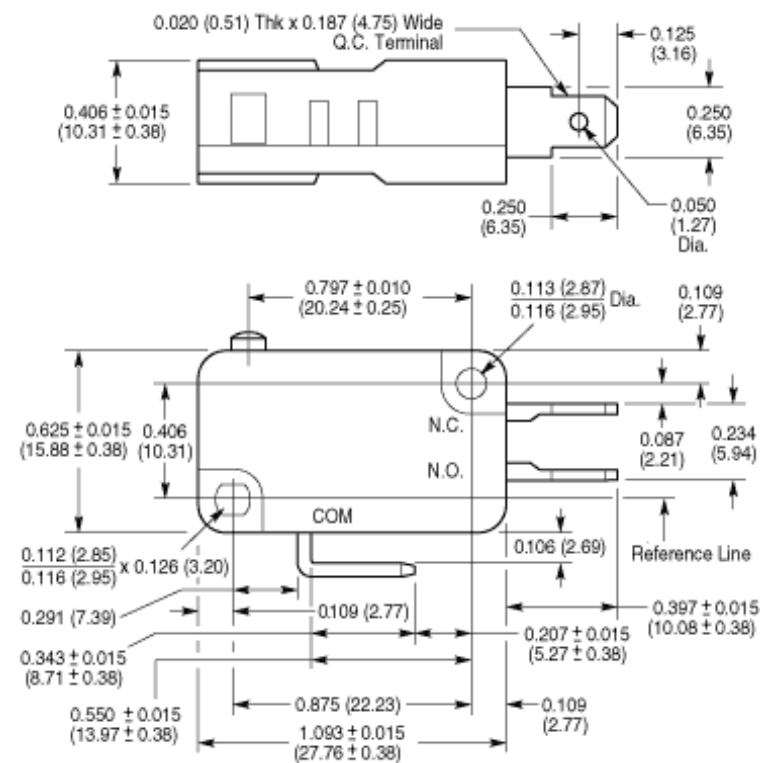
Spring: Stainless Steel

Auxiliary Actuator: Cold-Rolled Steel (Nickel-Plated)
(except E21 and E22 — Aluminum)]

Roller: Sintered Stainless Steel

Contacts: Silver Alloy (except E21 and E31 — Gold Crosspoint)

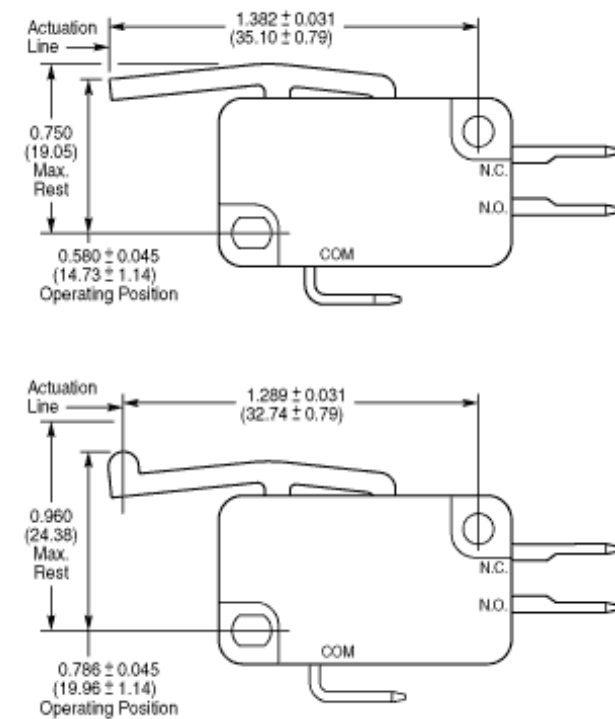
Approvals



Inches (mm)

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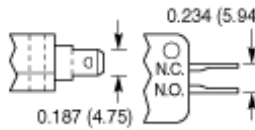
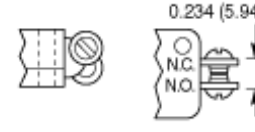
Part Numbers with -50NX (top) and -90NX (bottom) Suffixes

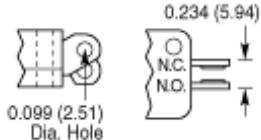
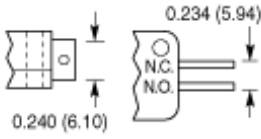
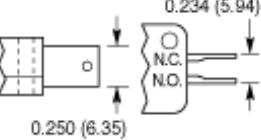


Inches (mm)

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Terminals

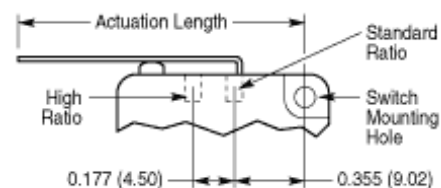
Terminal Type	Dimensions (click for larger view)	Part Number Suffix			
		Operating Force	SPDT	SPST NO	SPST NC
QC (Quick Connect) 0.187" (4.75mm)		Standard	-00A	-01A	-02A
		Light	-00AX	-01AX	-02AX
Screw		Standard	-10A	-11A	-12A
		Light	-10AX	-11AX	-12AX

Solder		Standard	-20A	-21A	-22A
		Light	-20AX	-21AX	-22AX
Short Solder		Standard	-30A	-31A	-32A
		Light	-30AX	-31AX	-32AX
QC (Quick Connect) 0.250" (6.35mm)		Standard	-40A	-41A	-42A
		Light	-40AX	-41AX	-42AX
Note: 0.187" Quick Connect terminals are standard. Normally, to order screw terminals add 10 to suffix number. To order solder terminals add 20 to suffix number and to order 0.250" Q.C. terminals add 40 to suffix number.					
Exception: When ordering -55HX, -75HX, -75KX or -85HX switches with screw, solder or 0.250" QC terminals, consult factory.					
Note: E35 and E36 only available with 0.250" (6.35mm) QC 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 mounting positions. Actuation lengths are dimensioned from centerline of switch mounting hole as shown.



Inches (mm)

[Click here for larger view.](#)

Actuator Specifications