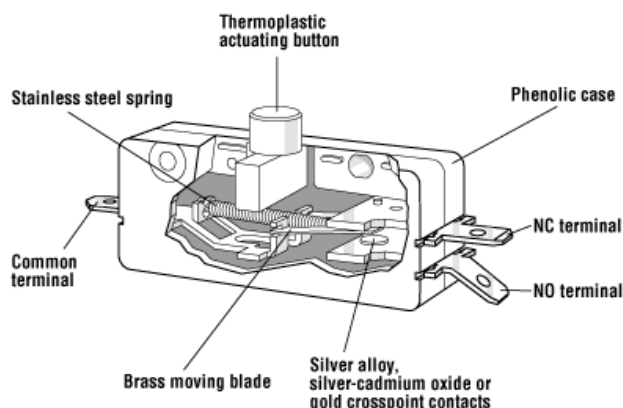
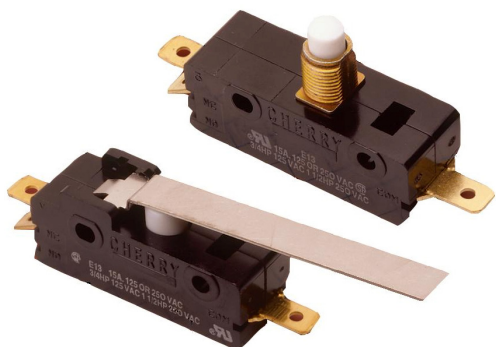


GENERAL PURPOSE – SINGLE POLE

E Series



Features

- Choice of 5 contact ratings
- Long life coil spring, snap action mechanism
- Agency approved extended life versions available
- High Temperature 200°C versions available
- RoHS Compliant

Electrical Ratings and Operating Life

According to UL1054		
Switch Series	Nominal Load	Operation cycles (Min operations)
G13	0.1A 125VAC, 0.1A 30VDC	6000*
E13	15A, 125/250VAC; 3/4HP 125VAC 1 ½ hp 250VAC; 2A 48VDC	6000*
E14	25A 125/250VAC; 1HP 125VAC 2HP 250VAC; 2A 48VDC	6000
E30	30.1A 125/250VAC; 1HP 125VAC 2HP 250VAC (UL Only)	6000
E29	30.1A 125/250/277 VAC UL Approved Only – Resistive Load Only	6000

- Extended life 105°C UL versions available. Contact factory for more information. Special part number required.

Technical Specifications		Material Specifications	
Temperature Ratings:	-40°C to 105°C (G13, E13, E14) -40°C to 85°C (E29) 150°C & 200°C optional (G13, E13, E14)	Case:	General Purpose Phenolic
		Actuator button:	Thermoplastic Nylon
Flammability Rating:	UL94HB	Common Terminal:	Brass: G13 and E13 Silver Plated Brass: E14 Silver Plated Copper (E29, E30)
Terminals:	0.250" x 0.032" (6.35mm x 0.81mm)	Terminals:	Brass (G13, E13) Copper (E14, E29, E30)
CSA File Number	16503	Moving Blade:	Brass (G13, E13) Silver Plated Beryllium Copper (E14, E29, E30)
UL File Number:	E23301	Spring:	Stainless Steel
		Auxiliary Actuator:	Cold-Rolled Stainless Steel (Nickel Plated)
		Contacts:	Silver-CdO: E13, E14, E29, E30 Gold Crosspoint: G13

Specifications subject to change



(G13, E13,
E14 @ T200)



E Series

Technical drawing of the Cherry 1000 keyboard assembly, showing top and side views with dimensions and callouts.

Top View Dimensions and Callouts:

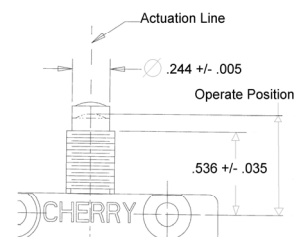
- Overall width: 1.823
- Distance between main key switches: 1.000 ± .007
- Distance from main key switches to COM/NC/NO switches: .33
- Distance between COM/NC/NO switches: .500 REF.
- Distance from main key switches to REST POSITION: .300
- Distance from main key switches to ACTUATION LINE: .145 +.005 / -.010
- Distance from main key switches to NO switch: .130
- Distance from main key switches to NC switch: .195
- Distance from main key switches to COM switch: .376
- Distance from main key switches to REST POSITION: .640
- Distance from main key switches to NO switch: .30°
- Distance from main key switches to NC switch: .30°
- Distance from main key switches to COM switch: .30°
- Distance from main key switches to REST POSITION: .30°
- Distance from main key switches to ACTUATION LINE: .30°
- Distance from main key switches to NO switch: .30°
- Distance from main key switches to NC switch: .30°
- Distance from main key switches to COM switch: .30°
- Distance from main key switches to REST POSITION: .30°

Side View Dimensions and Callouts:

- Overall height: .640
- Distance from main key switches to NO switch: .41
- Distance from main key switches to NC switch: .41
- Distance from main key switches to COM switch: .41
- Distance from main key switches to REST POSITION: .41
- Distance from main key switches to ACTUATION LINE: .41
- Distance from main key switches to NO switch: .41
- Distance from main key switches to NC switch: .41
- Distance from main key switches to COM switch: .41
- Distance from main key switches to REST POSITION: .41
- Distance from main key switches to ACTUATION LINE: .41
- Distance from main key switches to NO switch: .41
- Distance from main key switches to NC switch: .41
- Distance from main key switches to COM switch: .41
- Distance from main key switches to REST POSITION: .41

Callouts:

- Ø .095 3 PLACES
- Ø .145 +.005 / -.010
- ACTUATION LINE
- REST POSITION
- REFERENCE LINE
- COM
- NC
- NO
- CHERRY



Technical drawing of a Cherry 1000 Series actuator. The drawing shows a cross-section of the device with the following labels and dimensions:

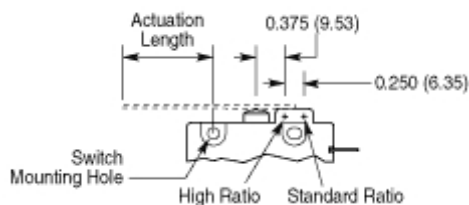
- Actuation Line**: Points to the top of the actuator.
- Ø .246**: Dimension for the diameter of the top section.
- .406 +/- .035**: Dimension for the height of the main body.
- Operate Position**: Points to the top of the actuator.
- CHERRY**: Brand name on the base.

Item Number	EN Rating	UL Rating	Maximum Pretravel inches (mm)	Operating Point inches (mm)	Minimum Overtravel inches (mm)	Max. Movement Differential inches (mm)	Maximum Operating Force (grams)	Action Length inches (mm)
0E1300E0	N/A	15A, 125/250VAC; 3/4HP 125VAC 1 1/2HP 250VAC 2A 48VDC	0.050 (1.27)	0.285 +/- 0.020 (7.24 +/- 0.51)	0.100 (2.54)	0.015 (0.38)	425	N/A
0E1300H0	N/A	15A, 125/250VAC; 3/4HP 125VAC 1 1/2HP 250VAC 2A 48VDC	0.250 (6.35)	0.312 +/- .062 7.93 +/- 1.57)	0.187 (4.75)	0.093 (2.36)	100	1.50 (38.10)
0E1300J0	N/A	15A, 125/250VAC; 3/4HP 125VAC 1 1/2HP 250VAC 2A 48VDC	0.050 (1.27)	0.870 +/- .030 (17.02 +/- 0.76)	0.108 (2.74)	0.015 (0.38)	425	N/A
0E1300K0	N/A	15A, 125/250VAC; 3/4HP 125VAC 1 1/2HP 250VAC 2A 48VDC	0.250 (6.35)	0.718 +/- 0.062 (18.24 +/- 1.57)	0.718 (4.75)	0.093 (2.36)	100	1.39 (35.31)
0E1300M0	N/A	15A, 125/250VAC; 3/4HP 125VAC 1 1/2HP 250VAC 2A 48VDC	0.050 (1.27)	0.812 +/- 0.030 (20.63 +/- 0.76)	0.218 (5.54)	0.015 (0.38)	425	N/A
0E1301E0	N/A	15A, 125/250VAC; 3/4HP 125VAC 1 1/2HP 250VAC 2A 48VDC	0.050 (1.27)	0.285 +/- 0.020 (7.24 +/- 0.51)	0.100 (2.54)	0.015 (0.38)	425	N/A
0E1301H0	N/A	15A, 125/250VAC; 3/4HP 125VAC 1 1/2HP 250VAC 2A 48VDC	0.250 (6.35)	0.312 +/- .062 (7.93 +/- 1.57)	0.187 (4.75)	0.093 (2.36)	100	1.50 (38.10)
0E1350H0	N/A	15A, 125/250VAC; 3/4HP 125VAC 1 1/2HP 250VAC 2A 48VDC	0.343 (8.71)	0.281 +/- 0.062 (7.14 +/- 1.57)	0.187 (4.75)	0.140 (3.56)	65	1.75 (44.45)
0E1400A0	N/A	25A 125/250VAC 1HP 125VAC 2HP 250VAC; 2A 48VDC	0.100 (2.54)	0.248 +/- 0.026 (6.30 +/- 0.66)	0.050 (1.27)	0.015 (0.38)	850	N/A
0E1400H0	N/A	25A 125/250VAC 1HP 125VAC 2HP 250VAC; 2A 48VDC	0.312 (7.93)	0.468 +/- 0.062 (7.93 +/- 0.157)	0.105 (2.67)	0.050 (1.27)	100	0.821 (20.85)
0E1400K0	N/A	25A 125/250VAC 1HP 125VAC 2HP 250VAC; 2A 48VDC	0.348 (8.84)	0.860 +/- 0.062 (21.84 +/- 1.57)	0.130 (3.30)	0.045 (1.14)	285	0.688 (17.47)
0E1400M0	N/A	25A 125/250VAC 1HP 125VAC 2HP 250VAC; 2A 48VDC	0.100 (2.54)	0.775 +/- 0.25 (19.69 +/- 6.35)	0.168 (4.27)	0.015 (0.38)	850	N/A
0E1401M0	N/A	25A 125/250VAC 1HP 125VAC 2HP 250VAC; 2A 48VDC	0.100 (2.54)	0.775 +/- 0.25 (19.69 +/- 6.35)	0.168 (4.27)	0.015 (0.38)	850	N/A
0E1450H0	N/A	25A 125/250VAC 1HP 125VAC 2HP 250VAC; 2A 48VDC	0.525 (13.34)	.437 +/- 0.062 (11.10 +/- 1.57)	0.218 (5.54)	0.080 (2.03)	170	1.071 (27.20)
0G1300M0	N/A	0.1A 125VAC, 0.1A 30VDC	0.050 (1.27)	0.812 +/- 0.030 (20.63 +/- 0.76)	0.218 (5.54)	0.015 (0.38)	425	N/A
0G1350H0	N/A	0.1A 125VAC, 0.1A 30VDC	0.343 (8.71)	0.281 +/- 0.062 (7.14 +/- 1.57)	0.187 (4.75)	0.140 (3.56)	65	1.75 (44.45)

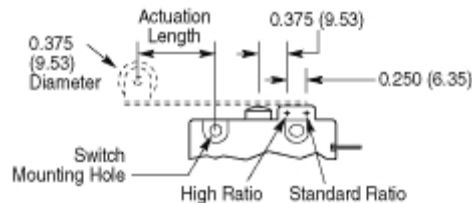
GENERAL PURPOSE – SINGLE POLE

E Series

Actuator Details



Flat Actuator Version



Roller Actuator Version

“J” and “M” Type Optional Hardware

Brass Hex Nut	0012-0023
Brass Hex Nut (Nickel Plated)	0012-0028

Mounting

Recommended mounting screw: #6-32 round head. Recommended torque on screw: 6 inch-lbs. max.

Recommended torque on ferrule: 20 inch lbs. max.

Ordering Information

Select the desired contact rating	Combine with the button/actuator style	Full part number
E13	50H	E13-50H

For single throw versions:

Select the desired contact rating	Combine with the button style	SPST – NO	SPST - NC
E13	50H	E13-51H (Add 1 to suffix)	0E13-52H (Add 2 to suffix)

Contact

Call, fax or visit our Website for more information.

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