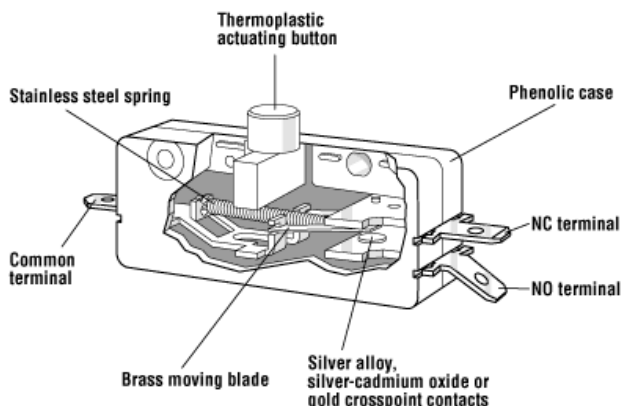
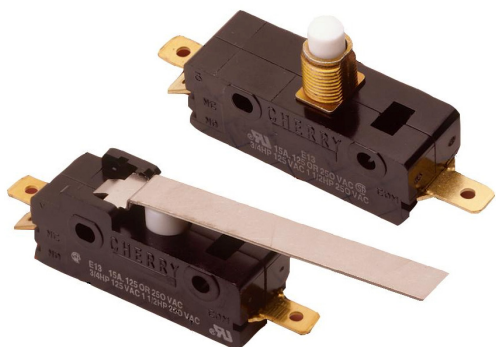


# GENERAL PURPOSE – SINGLE POLE

# 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<br>1 1/2 hp 250VAC; 2A 48VDC      | 6000*                             |
| E14                 | 25A 125/250VAC; 1HP 125VAC<br>2HP 250VAC; 2A 48VDC              | 6000                              |
| E30                 | 30.1A 125/250VAC; 1HP 125VAC<br>2HP 250VAC (UL Only)            | 6000                              |
| E29                 | 30.1A 125/250/277 VAC<br>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)<br>-40°C to 85°C (E29)<br>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<br>Silver Plated Brass: E14<br>Silver Plated Copper (E29, E30) |
| Terminals:               | 0.250" x 0.032" (6.35mm x 0.81mm)                                                               | Terminals:              | Brass (G13, E13)<br>Copper (E14, E29, E30)                                        |
| CSA File Number          | 16503                                                                                           | Moving Blade:           | Brass (G13, E13)<br>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<br>Gold Crosspoint: G13                            |

Specifications subject to change



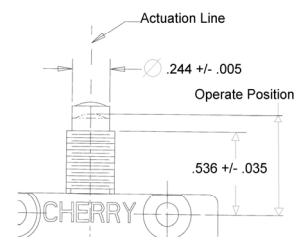
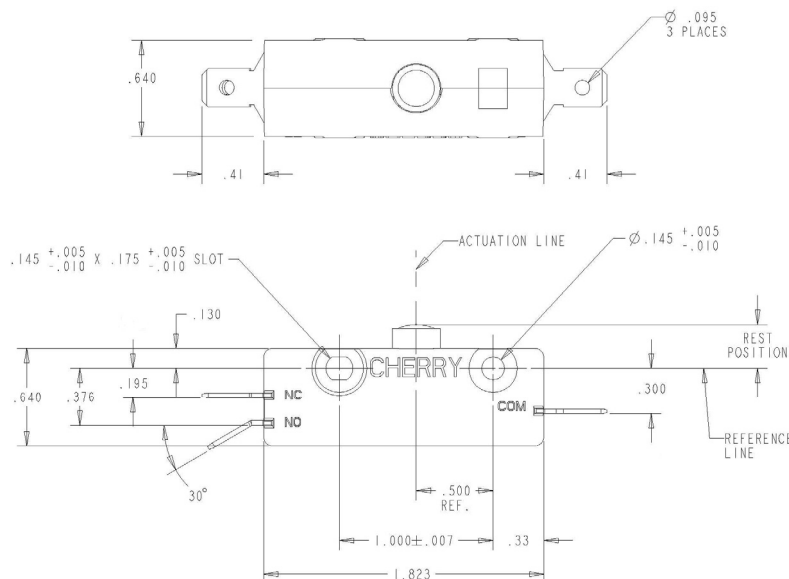
(G13, E13,  
E14 @ T200)



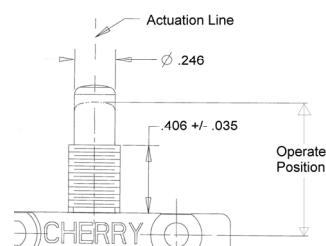
## GENERAL PURPOSE – SINGLE POLE

# E Series

Dimensions - inches



-00J (White plastic button)



-00M (Metal cap over button)

### Commonly Stocked Distributor Items / Preferred Part Numbers

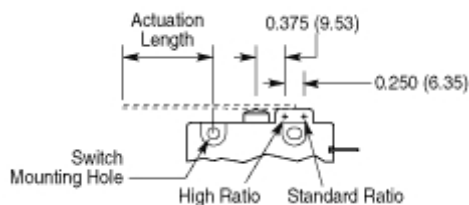
| Item Number | EN Rating | UL Rating                                             | Maximum Pretravel inches (mm) | Operating Point inches (mm)      | Minimum Overtravel inches (mm) | Max. Movement Differential inches (mm) | Maximum Operating Force (grams) | Actuation Length inches (mm) |
|-------------|-----------|-------------------------------------------------------|-------------------------------|----------------------------------|--------------------------------|----------------------------------------|---------------------------------|------------------------------|
| 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 (22.11 +/- 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 (11.84 +/- 1.57) | 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)                 |



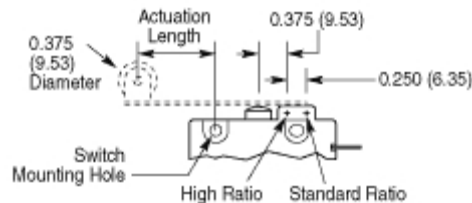
## GENERAL PURPOSE – SINGLE POLE

# 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 |
| <b>E13</b>                        | <b>50H</b>                             | <b>E13-50H</b>   |

#### For single throw versions:

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

### Contact

Call, fax or visit our Website for more information.

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