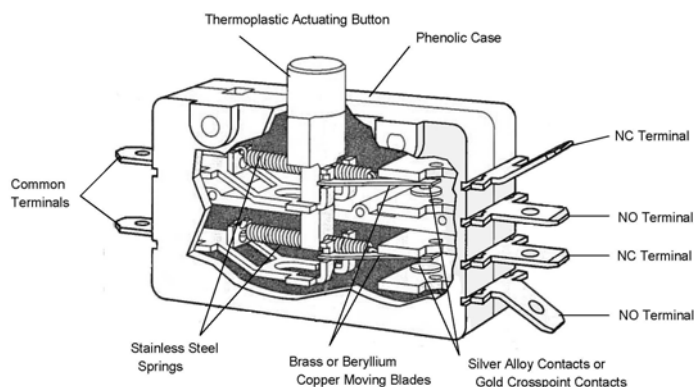


## GENERAL PURPOSE – DOUBLE POLE

# E Series



### Features

- Choice of 5 contact ratings
- Long life coil spring, snap action mechanism
- High Temperature 150°C & 200°C versions available
- RoHS Compliant

### Electrical Ratings and Operating Life

| According to UL1054  |                                                                 |                                   |
|----------------------|-----------------------------------------------------------------|-----------------------------------|
| Switch Series        | Nominal Load                                                    | Operation cycles (Min operations) |
| G20                  | 0.1A 125VAC                                                     | 6000*                             |
| E19                  | 15A, 125/250VAC; 3/4HP 125VAC                                   | 6000*                             |
| E19A (Mixed ratings) | 15A 125/250VAC 3/4HP, 125VAC, 1 1/2HP 250VAC, 0.1A 125VAC       | 6000                              |
| E20                  | 20A, 125/250VAC, 1HP 125VAC, 2HP 250VAC                         | 6000                              |
| E25                  | 25A 125/250VAC; 1HP 125VAC                                      | 6000                              |
| E28                  | 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 (G20, E19, E19A, E20, E25)<br>-40°C to 85°C (E28)<br>150°C & 200°C optional (E19, E20) | Case:                      | General Purpose Phenolic                                                       |
|                          |                                                                                                       | Actuator button:           | Thermoplastic Nylon                                                            |
| Flammability Rating:     | UL94HB                                                                                                | Common Terminal:           | Brass: E19, E19A, G20<br>Silver Plated Brass: E20<br>Silver Plated Copper: E28 |
|                          |                                                                                                       | NO and NC Terminals:       | Brass: E19, E19A, G20<br>Copper: E20, E25, E28                                 |
| Terminals:               | 0.250" x 0.032" (6.35mm x 0.81mm)                                                                     | Moving Blade:              | Brass: E19, E19A, G20<br>Silver Plated Beryllium Copper: E20, E25, E28         |
|                          |                                                                                                       | Spring:                    | Stainless Steel                                                                |
| CSA File Number:         | 16503                                                                                                 | Auxiliary Actuator Roller: | Cold-Rolled Stainless Steel (Nickel Plated)<br>Sintered Stainless Steel        |
| UL File Number:          | E23301                                                                                                | Contacts:                  | Silver-CdO: E19, E19A, E20, E25, E28<br>Gold Crosspoint: G20, E19A             |

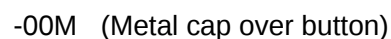
Specifications subject to change



E25 only  
T200 E19 and E20



# E Series

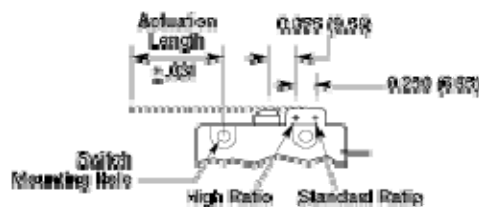
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| Item Number | EN Rating | UL Rating                                       | Maximum<br>Pretravel inches<br>(mm) | Operating Point<br>inches (mm)      | Minimum<br>Overtravel<br>inches (mm) | Each Pole<br>Max. Movement<br>Differential<br>inches (mm) | Maximum<br>Operating Force<br>(grams) | Actuation<br>Length inches<br>(mm) |
|-------------|-----------|-------------------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|-----------------------------------------------------------|---------------------------------------|------------------------------------|
| 0E1900A0    | N/A       | 15A, 125/250VAC; 3/4HP<br>125VAC 1 1/2HP 250VAC | 0.050 (1.27)                        | 0.285 +/- 0.030<br>(7.24 +/- 0.75)  | 0.080 (2.03)                         | 0.015 (0.38)                                              | 850                                   | N/A                                |
| 0E1900H0    | N/A       | 15A, 125/250VAC; 3/4HP<br>125VAC 1 1/2HP 250VAC | 0.275 (6.99)                        | 0.312 +/- 0.062<br>(7.92 +/- 1.57)  | 0.100 (2.54)                         | 0.093 (2.36)                                              | 205                                   | 1.50 (38.10)                       |
| 0E1900J0    | N/A       | 15A, 125/250VAC; 3/4HP<br>125VAC 1 1/2HP 250VAC | 0.050 (1.27)                        | 0.670 +/- 0.030<br>(17.02 +/- 0.76) | 0.080 (2.03)                         | 0.015 (0.38)                                              | 850                                   | N/A                                |
| 0E1900K0    | N/A       | 15A, 125/250VAC; 3/4HP<br>125VAC 1 1/2HP 250VAC | 0.250 (6.36)                        | 0.718 +/- 0.062<br>(18.24 +/- 1.57) | 0.187 (4.75)                         | 0.093 (2.36)                                              | 212                                   | 1.750 (44.45)                      |
| 0E1900M0    | N/A       | 15A, 125/250VAC; 3/4HP<br>125VAC 1 1/2HP 250VAC | 0.050 (1.27)                        | 0.812 +/- 0.030<br>(20.62 +/- 0.76) | 0.218 (5.54)                         | 0.015 (.38)                                               | 850                                   | N/A                                |
| 0E1950H0    | N/A       | 15A, 125/250VAC; 3/4HP<br>125VAC 1 1/2HP 250VAC | 0.400 (10.16)                       | 0.281 +/- 0.062<br>(7.14 +/- 1.57)  | 0.187 (4.75)                         | 0.140 (3.56)                                              | 130                                   | 1.750 (44.45)                      |
| 0E1950K0    | N/A       | 15A, 125/250VAC; 3/4HP<br>125VAC 1 1/2HP 250VAC | 0.312 (7.92)                        | 0.687 +/- 0.062<br>(17.45 +/- 1.57) | 0.187 (4.75)                         | 0.140 (3.56)                                              | 150                                   | 1.625 (41.28)                      |
| 0E2000A0    | N/A       | 20A, 125/250VAC; 1HP<br>125VAC, 2HP 250VAC      | 0.100 (2.54)                        | 0.248 +/- 0.030<br>(6.30 +/- 0.76)  | 0.050 (1.27)                         | 0.015 (0.38)                                              | 1280                                  | N/A                                |
| 0E2000H0    | N/A       | 20A, 125/250VAC; 1HP<br>125VAC, 2HP 250VAC      | 0.330 (8.38)                        | 0.468 +/- 0.062<br>(11.89 +/- 1.57) | 0.156 (3.96)                         | 0.050 (1.27)                                              | 425                                   | 0.821 (20.85)                      |
| 0E2000K0    | N/A       | 20A, 125/250VAC; 1HP<br>125VAC, 2HP 250VAC      | 0.348 (8.84)                        | 0.860 +/- 0.062<br>(21.84 +/- 1.57) | 0.156 (3.96)                         | 0.045 (1.14)                                              | 425                                   | 0.688 (17.48)                      |
| 0E2000M0    | N/A       | 20A, 125/250VAC; 1HP<br>125VAC, 2HP 250VAC      | 0.100 (2.54)                        | 0.774 +/- 0.030<br>(19.66 +/- 0.76) | 0.188 (4.78)                         | 0.015 (0.38)                                              | 1280                                  | N/A                                |
| 0E2050H0    | N/A       | 20A, 125/250VAC; 1HP<br>125VAC, 2HP 250VAC      | 0.600 (15.24)                       | 0.427 +/- 0.062<br>(11.10 +/- 1.57) | 0.156 (3.96)                         | 0.080 (2.03)                                              | 285                                   | 1.071 (27.20)                      |
| 0E2050K0    | N/A       | 20A, 125/250VAC; 1HP<br>125VAC, 2HP 250VAC      | 0.625 (13.34)                       | 0.828 +/- 0.062<br>(21.03 +/- 1.57) | 0.146 (3.71)                         | 0.075 (1.91)                                              | 312                                   | 0.951 (24.16)                      |

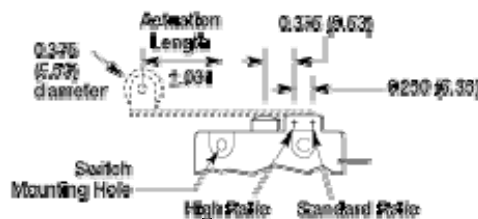
## GENERAL PURPOSE – DOUBLE POLE

# E Series

### Actuator Details



Flat Actuator Version (-00H and -50H)



Roller Actuator Version (-00K and -50K)

### “J” and “M” Type Optional Hardware

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

Recommended mounting screw:  
#6-32 round head.

### Mounting

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>E19</b>                        | <b>50H</b>                             | <b>E19-50H</b>   |

#### For single throw versions:

|                                   |                               |                                     |                                      |
|-----------------------------------|-------------------------------|-------------------------------------|--------------------------------------|
| Select the desired contact rating | Combine with the button style | DPST – NO                           | DPST - NC                            |
| <b>E19</b>                        | <b>50H</b>                    | <b>E19-51H</b><br>(Add 1 to suffix) | <b>0E19-52H</b><br>(Add 2 to suffix) |

### Contact

Call, fax or visit our  
Website for more information.

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