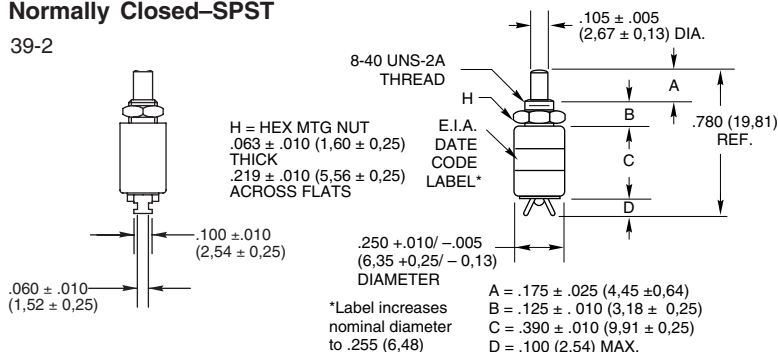




### DIMENSIONS In Inches (and millimeters)

### Normally Closed–SPST

39-2

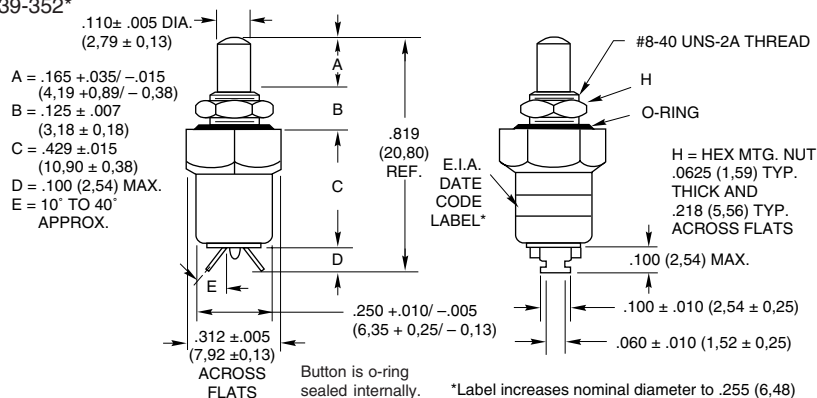


| Rating at<br>115 Vac<br>Resistive | Rating at<br>220 Vac<br>Resistive | Operations<br>at Rated<br>Load | Part<br>Number | Cap<br>Color |
|-----------------------------------|-----------------------------------|--------------------------------|----------------|--------------|
| ¼ Amp                             | ⅛ Amp                             | 250,000                        | 39-2           | Black        |

| Action    | Total Travel                 | Actuating Force (oz.) | Mtg. Hole           |
|-----------|------------------------------|-----------------------|---------------------|
| Momentary | .042 ± .010<br>(1.07 ± 0.25) | + 4<br>- 2            | .172<br>(4.37) DIA. |

### Normally Closed–SPST with Sealed Bushing and Button

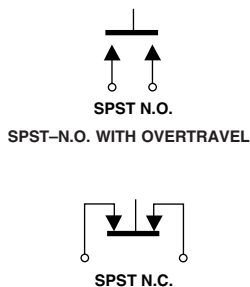
39-352\*



| Rating at<br>115 Vac<br>Resistive | Rating at<br>220 Vac<br>Resistive | Operations<br>at Rated<br>Load | *Complete<br>Part<br>Number | Button<br>Color |
|-----------------------------------|-----------------------------------|--------------------------------|-----------------------------|-----------------|
| ¼ Amp                             | ⅛ Amp                             | 100,000                        | 39-352 RED<br>39-352 BLK    | Red<br>Black    |

| Action    | Total Travel                 | Actuating Force (oz.) |
|-----------|------------------------------|-----------------------|
| Momentary | .042 ± .010<br>(0.17 ± 0.25) | 8 ± 4                 |

## CIRCUITRY



## Materials and Finishes

**Mounting Nut:** Brass, tin zinc

**Housing:** Aluminum, clear anodized for 39-351 and 39-352; Brass, zinc trivalent chromate-plated for others

**Button:** Thermoset plastic

**Base:** Thermoset plastic

**Shorting Bar:** Fine silver for 39-2 and 39-352; brass, gold-plated over nickel plate for 39-601; fine silver, gold-plated for others

**Terminals:** Fine silver for 39-2 and 39-352; commercial bronze with gold-plated fine silver contact surface for others

**Spring:** Tinned music wire

**O-Rings:** (39-351 and 39-352) Internal ring is silicone; external ring is buna 'N'

## SPECIFICATIONS

### Rating Criteria

**Contact Resistance:** 25 milliohms maximum on a new switch

**Voltage Breakdown:** 1,000 Vac between mutually insulated parts

**Insulation Resistance:** 1,000 megohms minimum

**Operating Temperature:** -40°C to +85°C

**Mounting Torque:** 2 inch-pounds

## ACCESSORY



### Button Cap

Part No. 30B1012

For use with part numbers  
39-351 and 39-352.

(Fasten to button with  
Cyanoacrylate Adhesive)

See page E-XX for dimensions.

## ORDERING INFORMATION

| Part Number       | Description                   |
|-------------------|-------------------------------|
| <b>39-1</b>       | N.O., Red Button              |
| <b>39-2</b>       | N.C., Black Button            |
| <b>39-3</b>       | N.O., Black Button            |
| <b>39-12</b>      | N.O., Overtravel Red Button   |
| <b>39-24</b>      | N.O., Overtravel Black Button |
| <b>39-351 RED</b> | N.O., Sealed, Red Button      |
| <b>39-351 BLK</b> | N.O., Sealed, Black Button    |
| <b>39-352 RED</b> | N.C., Sealed, Red Button      |
| <b>39-352 BLK</b> | N.C., Sealed, Black Button    |
| <b>39-601 RED</b> | N.O., Economy, Red Button     |
| <b>39-601 BLK</b> | N.O., Economy, Black Button   |

Accessory cap may be used with all switches shown except 39-2.

| Accessory Part Number | Description      |
|-----------------------|------------------|
| 30B1012-5             | Red Button Cap   |
| 30B1012-9             | Black Button Cap |
| 30B1012-8             | White Button Cap |

**Available from your local Grayhill Distributor.**

For prices and discounts, contact a local Sales Office, an authorized local Distributor or Grayhill.