

SERIES 39 Miniature Limit

FEATURES

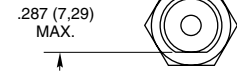
- Adjustable Location Setting
- Plunger Sealed Version



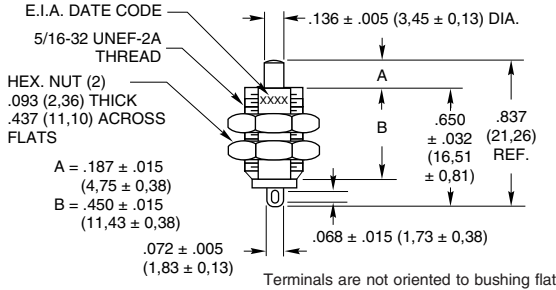
DIMENSIONS In Inches (and millimeters)

SPST-Normally Open, With Overtravel

39-101



Mounting Hole
.339 (8,61) Diameter
'D' shape per above.



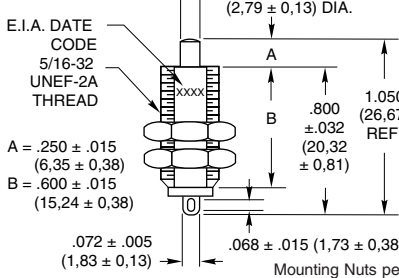
| Rating at 115 Vac Resistive | Rating at 220 Vac Resistive | Operations at Rated Load | Part Number | Button Color |
|-----------------------------|-----------------------------|--------------------------|-------------|--------------|
| 1/2 Amp | 1/4 Amp | 500,000 | 39-101 | Nat. Nylon |

| Action | Total Travel | Over Travel | Actuating Force (oz.) |
|-----------|---------------------------|--------------------------------------|-----------------------|
| Momentary | .187 ± .015 (4,75 ± 0,38) | .060 (1,52) Min. from top of bushing | 5 + 3 - 2 |

SPST-Normally Open, With Extended Overtravel

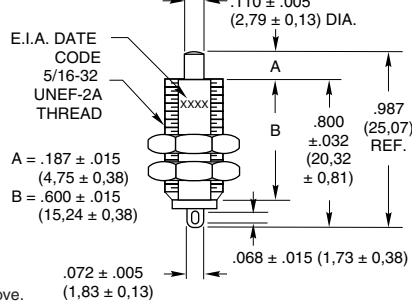
39-102

39-103



SPST-Normally Open, With Overtravel, Sealed Actuator

39-701

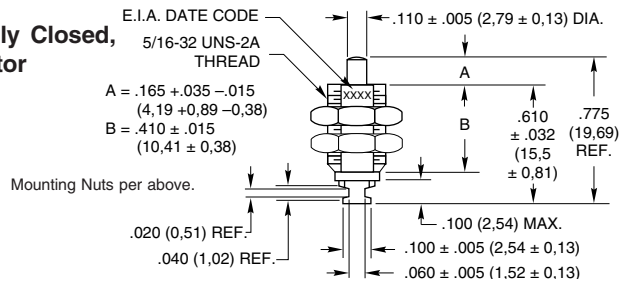


| Rating at 115 Vac Resistive | Rating at 220 Vac Resistive | Operations at Rated Load | Part Number | Button Color |
|-----------------------------|-----------------------------|--------------------------|-------------|--------------|
| 150 mA | 75 mA | 30,000 | 39-102 | Nat. Nylon |
| 150 mA | 75 mA | 100,000 | 39-701 | Nat. Nylon |
| 1/2 Amp | 1/4 Amp | 30,000 | 39-103 | Nat. Nylon |

| Action | Total Travel | Over Travel | Actuating Force (oz.) |
|-----------|---------------------------|---|-----------------------|
| Momentary | .250 ± .015 (6,35 ± 0,38) | 39-102 and 39-103: .200 (5,08) Nominal. from top of bushing | 6.8 ± 5 |
| Momentary | .187 ± .015 (4,75 ± 0,38) | 39-701: .060 (1,52) Min. from top of bushing | 8 ± 4 |

SPST-Normally Closed, Sealed Actuator

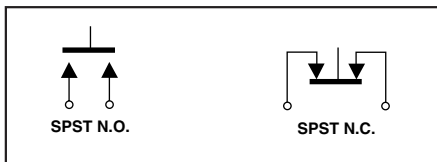
39-702



| Rating at 115 Vac Resistive | Rating at 220 Vac Resistive | Operations at Rated Load | Part Number | Button Color |
|-----------------------------|-----------------------------|--------------------------|-------------|--------------|
| 1/4 Amp | 1/8 Amp | 100,000 | 39-702 | Nat. Nylon |

| Action | Total Travel | Over Travel | Actuating Force (oz.) |
|-----------|---------------------------|-------------|-----------------------|
| Momentary | .042 ± .010 (1,07 ± 0,25) | None | 8 ± 4 |

CIRCUITRY



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

Materials and Finishes

Bushing and Mounting Nuts: Brass, tin zinc
Insulation Sleeve: Molded polyester for 39-101, 39-102, 39-103 and 39-701; phenolic per MIL-M-14 type CFG for 39-702

Base: Thermoset plastic

Terminals: Commercial bronze, gold plated over nickel for 39-101, 39-102, 39-103 and 39-701; silver for 39-702

Springs: Tinned music wire

Contacts: Commercial bronze, gold-plated for 39-101, 39-102, 39-103 and 39-701; fine silver for 39-702

Button: Thermoplastic

O-Ring: (39-701 & 39-702) Silicone

STANDARD OPTIONS

Optional plating: gold-plated contacts for dry circuit conditions, contact Grayhill.

ORDERING INFORMATION

| Part No. | Description |
|----------|-------------------------------------|
| 39-101 | SPST, N.O. With Overtravel |
| 39-102 | SPST, N.O. With Extended Overtravel |
| 39-103 | SPST, N.O. With Extended Overtravel |
| 39-701 | SPST, N.O. With Overtravel, Sealed |
| 39-702 | SPST, N.C. Sealed |

Available from your local Grayhill Distributor.

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