

Distributed by:

**JAMECO**<sup>®</sup>  
ELECTRONICS

**[www.Jameco.com](http://www.Jameco.com) ♦ 1-800-831-4242**

The content and copyrights of the attached  
material are the property of its owner.

Jameco Part Number 788061

## SERIES 39

### Miniature Limit

#### FEATURES

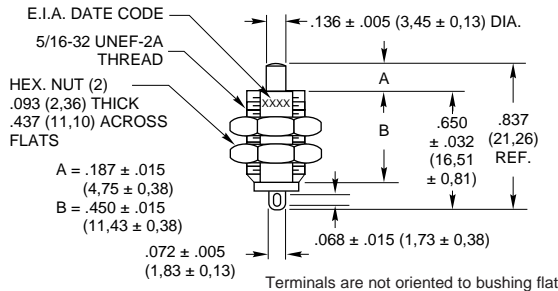
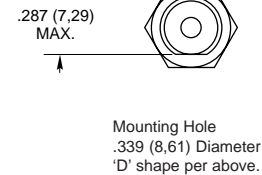
- Adjustable Location Setting
- Plunger Sealed Version

#### DIMENSIONS In Inches (and millimeters)



##### SPST-Normally Open, With Overtravel

39-101



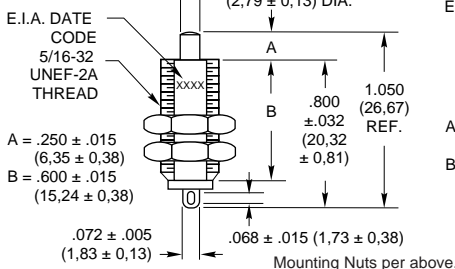
Rating at 115 Vac Resistive	Rating at 220 Vac Resistive	Operations at Rated Load	Part Number	Button Color
1/2 Amp	1/4 Amp	500,000	39-101	Nat. Nylon

Action	Total Travel	Over Travel	Actuating Force (oz.)
Momentary	.187 ± .015 (4,75 ± 0,38)	.060 (2,03) Min. from top of bushing	5 + 3 - 2

##### SPST-Normally Open, With Extended Overtravel

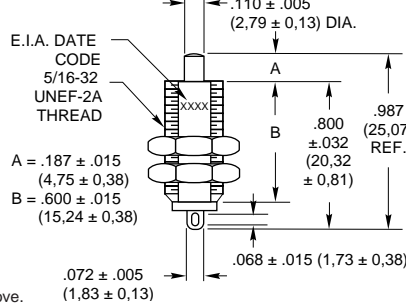
39-102

39-103



##### SPST-Normally Open, With Overtravel, Sealed Actuator

39-701

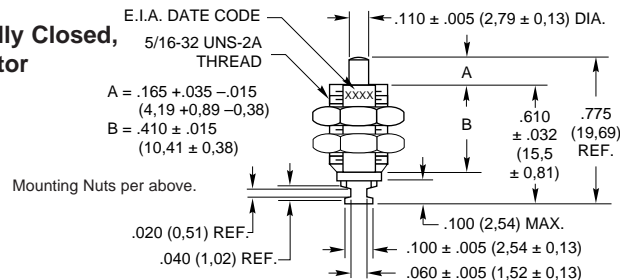


Rating at 115 Vac Resistive	Rating at 220 Vac Resistive	Operations at Rated Load	Part Number	Button Color
150 mA	75 mA	30,000	39-102	Nat. Nylon
150 mA	75 mA	100,000	39-701	Nat. Nylon
1/2 Amp	1/4 Amp	30,000	39-103	Nat. Nylon

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 (2,03) Min. from top of bushing	8 ± 4

##### SPST-Normally Closed, Sealed Actuator

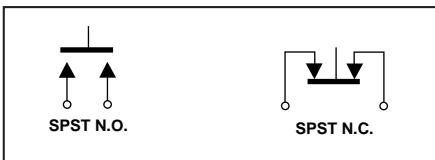
39-702



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, cadmium-plated

**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 for 39-101, 39-102, 39-103 and 39-701; silver for 39-702

**Springs:** Tinned music wire

**Contacts:** Fine silver, 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

Epoxy-sealed terminals and wire leads, see page E-34.

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.