Grayhill

SERIES 39 Miniature Limit

FEATURES



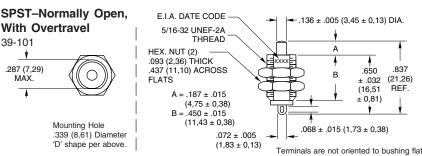
Plunger Sealed Version

DIMENSIONS In Inches (and millimeters)









Rating at 115 Vac Resistive	Rating at 220 Vac Resistive		perations at Rated Load	Part Number	Button Color
1/2 Amp	¹/4 Amp	500,000		39-101	Nat. Nylon
Action	Total Travel		_	ver avel	Actuating Force (oz.)
Momentary	.187 ± .015 (4,75 ± 0,38)		.060 (1,52) Min. from top of bushing		5 ^{+ 3} _{- 2}

Operations

at Rated

Load

30,000

100,000

30,000

Part

Number

39-102

39-701

39-103

Button

Nat. Nvlon

Nat. Nylon

Nat. Nvlon

SPST-Normally Open, SPST-Normally Open, With Extended Overtravel 39-102 39-103 110 ± .005 $(2,79 \pm 0,13)$ DIA. E.I.A. DATE CODE 5/16-32 UNEF-2A 1.050 **THREAD** .800 (26,67)±.032 RFF $A = .250 \pm .015$ (20.32) $(6,35 \pm 0,38)$ $B = .600 \pm .015$ (15.24 ± 0.38) .072 ± .005 $.068 \pm .015 (1.73 \pm 0.38)$ (1.83 ± 0.13) Mounting Nuts per ab E.I.A. DATE CODE SPST-Normally Closed, 5/16-32 UNS-2A **Sealed Actuator THREAD** A = .165 +.035 -.015 39-702 (4,19 + 0,89 - 0,38) $B = .410 \pm .015$ $(10,41 \pm 0,38)$ Mounting Nuts per above. .020 (0,51) REF.-

.040 (1,02) REF.

	th Overt	ravel	, Se	ealed	Actua	tor
39-7	701					
		-		$.110 \pm .0$		
				$(2,79 \pm 0)$),13) DIA.	
E.I.A	. DATE 🦳	.		*		
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		浬	¥	В		(25,07)
	107 . 015		ᅷ) ,	±.032	REF.
	187 ± .015		7	<u>ا</u> ر	(20,32	1
	4,75 ± 0,38)		亩	´ . ↓	± 0,81)	
	600 ± .015	7	_7-	- ' '	1	
(15,24 ± 0,38)	Į(<u> </u>	==		
		- 1		A		
				.068 ± .0	015 (1,73	± 0.38)
	.072 ± .005	5 -	-		,	. ,
ove.	$(1,83 \pm 0,1)$	3)				

-.110 ± .005 (2,79 ± 0,13) DIA.

.100 (2,54) MAX.

 $.100 \pm .005 (2,54 \pm 0,13)$

 $.060 \pm .005 (1,52 \pm 0,13)$

.775

REF

.610

(15,5

 ± 0.81)

± .032 (19,69)

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

Rating at 115 Vac Resistive	Rating at 220 Vac Resistive	Op a	
¹/4 Amp	1/8 Amp	1	0
Action	Total Travel		
	042 - 01	$\overline{}$	Т

Rating at

115 Vac

Resistive

150 mA

150 mA

1/2 Amp

Rating at

220 Vac

Resistive

75 mA

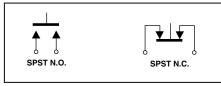
75 mA

1/4 Amp

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.