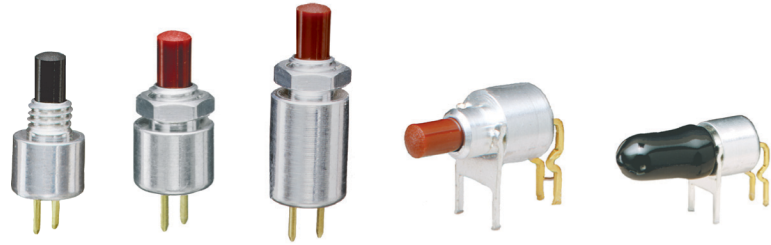


SERIES 39 SPST, 150 mA

FEATURES

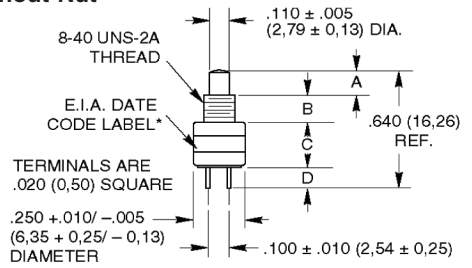
- 1/4" Diameter
- Up to 1,000,000 Cycles of Operation
- PC Mount



DIMENSIONS In Inches (and millimeters)

SPST-Normally Open, Without Nut

39-405*



*Label increases nominal diameter to .255 (6,48)

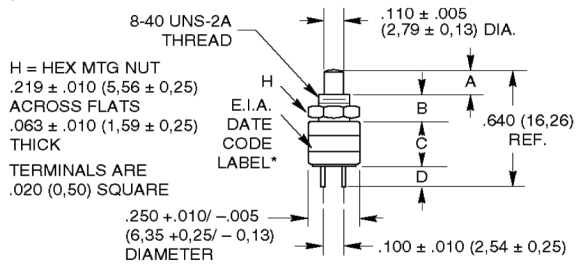
- A = .175 + .025/-0.020 (4,45 + 0,64/-0,51)
- B = .125 ± .010 (3,18 ± 0,25)
- C = .215 ± .015 (5,46 ± 0,38)
- D = .125 ± .010 (3,18 ± 0,25)

Rating at 28 Vdc Resistive	Operations at Rated Load	*Complete Part Number	Button Color
150 mA	1,000,000	39-405 RED 39-405 BLK	Red Black

Action	Total Travel	Actuating Force (oz.)
Momentary	.035 ± .015 (0,89 ± 0,38)	4 + 4 - 2

SPST-Normally Open, With Nut

39-401*



*Label increases nominal diameter to .255 (6,48)

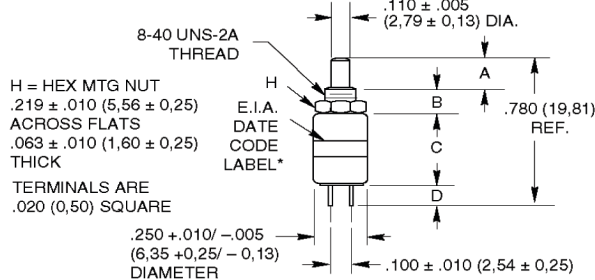
- A = .175 + .025/-0.020 (4,45 + 0,64/-0,51)
- B = .125 ± .010 (3,18 ± 0,25)
- C = .215 ± .015 (5,46 ± 0,38)
- D = .125 ± .010 (3,18 ± 0,25)

Rating at 28 Vdc Resistive	Operations at Rated Load	*Complete Part Number	Button Color
150 mA	1,000,000	39-401 RED 39-401 BLK	Red Black

Action	Total Travel	Actuating Force (oz.)
Momentary	.035 ± .015 (0,89 ± 0,38)	4 + 4 - 2

SPST-Normally Open, With Overtravel

39-424*



*Label increases nominal diameter to .255 (6,48)

- A = .175 + .025/-0.020 (4,45 + 0,64/-0,51)
- B = .125 ± .010 (3,18 ± 0,25)
- C = .355 ± .015 (9,02 ± 0,38)
- D = .125 ± .010 (3,18 ± 0,25)

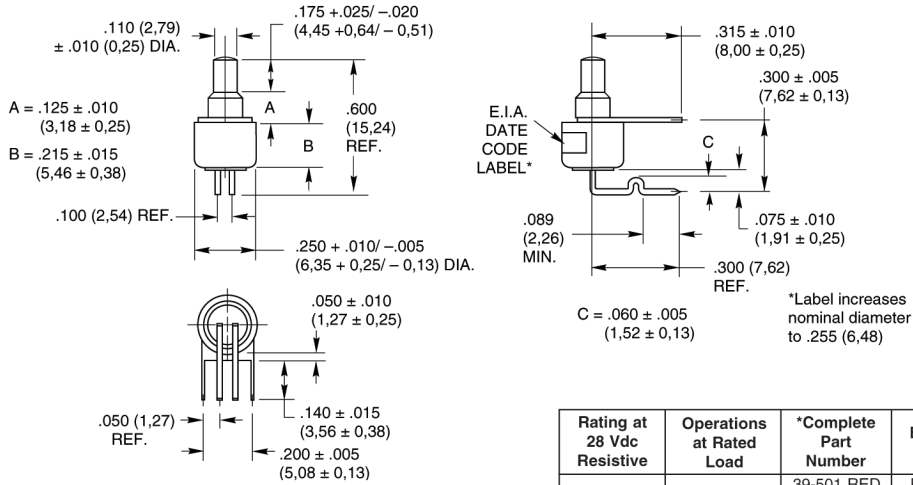
Rating at 28 Vdc Resistive	Operations at Rated Load	*Complete Part Number	Button Color
150 mA	100,000	39-424 RED 39-424 BLK	Red Black

Action	Total Travel	Over Travel	Actuating Force (oz.)
Momentary	.130 ± .025 (3,30 ± 0,64)	.015 (0,38) Min.	5 ± 3

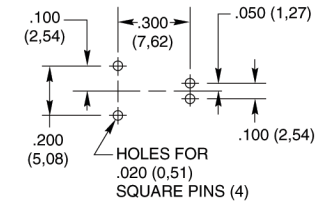
DIMENSIONS In Inches (and millimeters)

Right Angle, SPST–Normally Open

39-501*
39-503*



Mounting Footprint



Rating at 28 Vdc Resistive	Operations at Rated Load	*Complete Part Number	Button Color
150 mA	1,000,000	39-501 RED 39-501 BLK 39-503 RED 39-503 BLK	Red Black Red Black

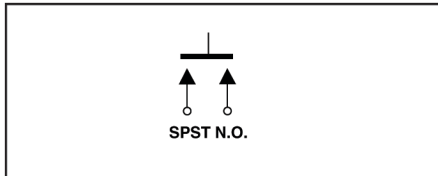
Action	Total Travel	Actuating Force (oz.)
Momentary	.035 ± .015 (0,89 ± 0,38)	4 + 4 - 2

Protective cap (included with 39-503 RED and 39-503 BLK) seals switch during wave soldering.

*Label increases nominal diameter to .255 (6,48)

Pushbutton Switches

CIRCUITRY



ACCESSORIES

SHH1699
30B1012-5
30B1012-8
30B1012-9
See page E-36 for dimensions.

ORDERING INFORMATION

Part No.	Type & Button Color
39-401 RED	N.O., Red
39-401 BLK	N.O., Black
39-405 RED	N.O., No Nut, Red
39-405 BLK	N.O., No Nut, Black
39-424 RED	N.O., Overtravel, Red
39-424 BLK	N.O., Overtravel, Black
39-501 RED	N.O., Right Angle, Red
39-501 BLK	N.O., Right Angle, Black
39-503 RED	39-501 Red & Cap Seal
39-503 BLK	39-501 Blk & Cap Seal

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/Housing: Brass, tin zinc
Standoff: (39-501 and 39-503) Brass, tin plated over nickel
Base and Button: Thermoplastic
Shorting Bar: Brass, gold-plated over nickel plate for 39-501 and 39-503; fine silver, gold-plated for others
Terminals: Brass, gold-plated over nickel
Spring: Tinned music wire
Mounting Nut: (39-401 and 39-424) Brass, zinc trivalent chromate-plated

Accessory Part Number	Description
30B1012-5	Red Accessory Cap
30B1012-8	White Accessory Cap
30B1012-9	Black Accessory Cap
SHH1699	Cap Seal Only, Black

Accessory cap may be used with part numbers 39-405, 39-401, 39-424, 39-501, 39-503.