

SERIES 39 SPST, 150 mA

FEATURES

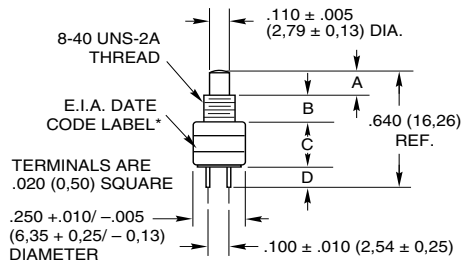
- 1/4" Diameter
- Up to 1,000,000 Cycles of Operation
- PC Mount



DIMENSIONS in inches (and millimeters)

SPST–Normally Open, without Nut

39-405*



*Label increases nominal diameter to .255 (6.48)

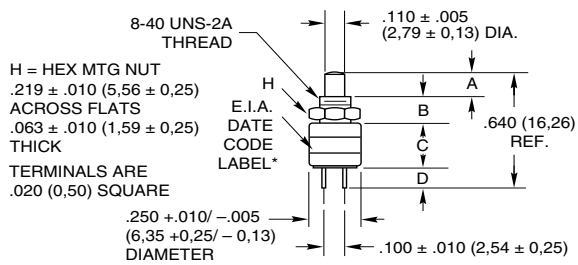
A = .175 + .025 / -.020 (4.45 + 0.64 / - 0.51)
 B = .125 ± .010 (3.18 ± 0.25)
 C = .215 ± .015 (5.46 ± 0.38)
 D = .125 ± .010 (3.18 ± 0.25)

| 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 - 2 |

SPST–Normally Open, with Nut

39-401*



*Label increases nominal diameter to .255 (6.48)

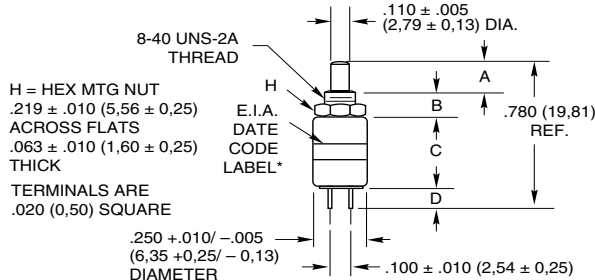
A = .175 + .025 / -.020 (4.45 + 0.64 / - 0.51)
 B = .125 ± .010 (3.18 ± 0.25)
 C = .215 ± .015 (5.46 ± 0.38)
 D = .125 ± .010 (3.18 ± 0.25)

| 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 - 2 |

SPST–Normally Open, with Overtravel

39-424*



*Label increases nominal diameter to .255 (6.48)

A = .175 + .025 / -.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)

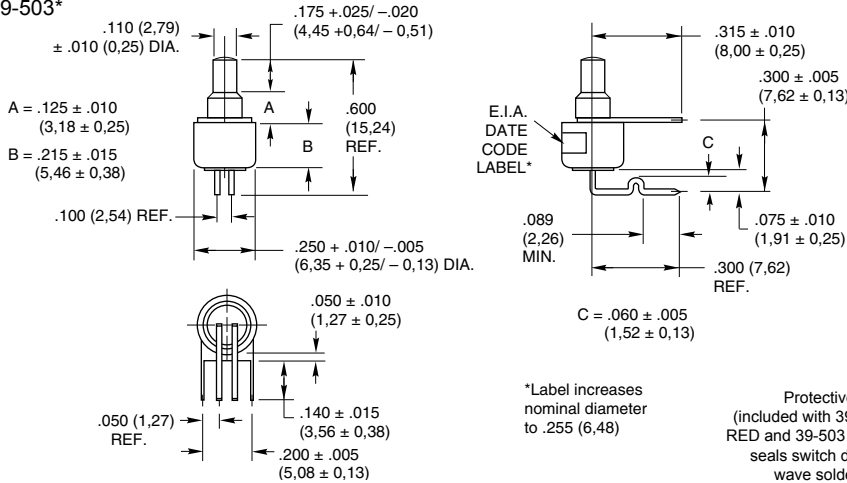
| Rating at 28 Vdc Resistive | Operations at Rated Load | *Complete Part Number | Button Color |
|----------------------------|--------------------------|--------------------------|--------------|
| 150 mA | 100,000 | 39-424 RED 39-424 BLK | Red Black |

| 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*

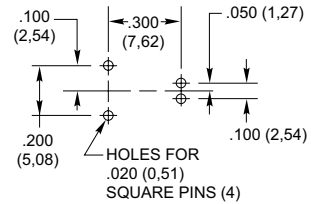


E.I.A. DATE CODE LABEL*

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

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

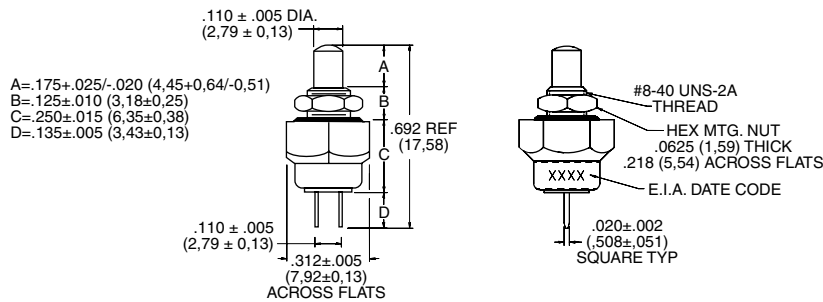
Mounting Footprint



| 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 | |

SPST–Normally Open, with Panel and Button Seal

39-138*



| Rating at 115 Vac Resistive | Operations at Rated Load | *Complete Part Number | Button Color |
|-----------------------------|------------------------------|--------------------------|--------------|
| ½ Amp | 250,000 | 39-138 RED 39-138 BLK | Red Black |
| Action | Total Travel | Actuating Force (oz.) | |
| Momentary | .035 ± .015 (0,89 ± 0,38) | 16 ± 8 | |

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

* Note: Solder process temperatures should not expose main switch body to temperatures higher than 270F. (132C). Reflow soldering is not recommended. Contact Grayhill for more specific details.

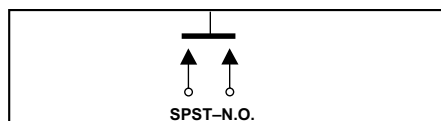
Materials and Finishes

- Bushing/Housing:** Aluminum, clear anodized for 39-138; Brass, tin zinc for all others
- 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:** Fine silver, gold-plated for 39-138; Brass, gold-plated over nickel for all others
- Spring:** Tinned music wire
- Mounting Nut:** (39-401 and 39-424) Brass, zinc trivalent chromate-plated

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 |
| 39-138 RED | 39-351 PC Mount & Seal |
| 39-138 BLK | 39-351 PC Mount & Seal |

CIRCUITRY



ACCESSORIES



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

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

Pushbutton Switches



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

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