

SPECIFICATIONS

Materials

Base: UL94V-0 Nylon thermoplastic
Cover: Stainless steel, tin-plated
Actuator: UL94V-0 Nylon thermoplastic
Terminal: Brass with silver-plating
Contact: Stainless steel with silver-plating
Cap: Thermoplastic ABS

Electrical

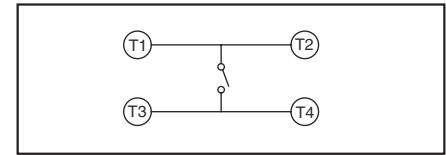
Rating: 50mA, 12 Vdc
Life: 160g: 1,000,000 cycles/
 260g: 500,000 cycles
Actuator Travel: .014" ± .004"
Contact Resistance: 100 mΩ max.

Insulation Resistance: 100 MΩ min. at 500Vdc
Dielectric Strength: No dielectric breakdown after 250V for one minute
Contact Arrangement: single pole, single throw

Environmental

Operating Temp. Range: -25 to 70°C
Storage Temp. Range: -30 to 80°C
Mechanical Shock: MIL-STD-202F, Method, 213B, Test Condition A. Gravity: 50G's (peak value), 11 msec. Direction and times: 6 sides and 3 times in each direction. High reliability.
Vibration: MIL-STD-202F, Method 201A. Passed 6 hours (2 hours in each) of three

CIRCUITRY



perpendicular planes at a cycle of 10-55-10Hz/1 minute.

Stop Strength: Place the switch such that vertical, a static load of 3kg shall be applied in the direction of stem operation for a period of 15 seconds.

Soldering Process

Hand Soldering: Use a soldering iron of 30 watts, controlled at 350°C for 5 seconds maximum while applying solder.

Reflow Soldering (surface mount versions only): Peak temperature 260°C (500°F).

Wave Soldering: 260°C° (500°F) maximum for 5 seconds subject to PCB .063 in. (1.6mm) thickness.

Packaging

Thru-Hole: Bulk, 500 pcs/bag.
 Surface Mount: 40 pcs/tube, 700 pcs/reel (.169" height), 500 pcs/reel (.335" and .287" height).

ORDERING INFORMATION

| | |
|---|-------------|
| Series | 95C12A3GWRT |
| Size: 12 = 12mm Square | |
| Height ("H"): A = .169 (4,29); B = .335 (8,51); C = Square .287 (7,29) | |
| RoHS compliant | |
| Packaging: Blank = Tube or Bulk, R = Tape and Reel (see pkg note) | |
| Terminal Style: Blank = Thru-hole, GW = Gull Wing | |
| Operating Force (Actuator Color): 3 = 160g (Brown), 4 = 260g (Red) | |

Available from your local Grayhill Component Distributor.

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

DECORATIVE CAPS (for use with "C" style square actuators)

12mm Square

figure 3

12mm Round

figure 4

| PART NUMBER | SWITCH SIZE | SHAPE | COLOR | FIGURE |
|-------------|-------------|--------|---------|--------|
| 95CAP-100 | 12mm | SQUARE | YELLOW | 3 |
| 95CAP-101 | 12mm | SQUARE | BLUE | 3 |
| 95CAP-102 | 12mm | SQUARE | RED | 3 |
| 95CAP-103 | 12mm | SQUARE | NATURAL | 3 |
| 95CAP-104 | 12mm | SQUARE | BLACK | 3 |
| 95CAP-105 | 12mm | SQUARE | GREEN | 3 |
| 95CAP-106 | 12mm | SQUARE | ORANGE | 3 |
| 95CAP-110 | 12mm | ROUND | YELLOW | 4 |
| 95CAP-111 | 12mm | ROUND | BLUE | 4 |
| 95CAP-112 | 12mm | ROUND | RED | 4 |
| 95CAP-113 | 12mm | ROUND | NATURAL | 4 |
| 95CAP-114 | 12mm | ROUND | BLACK | 4 |
| 95CAP-115 | 12mm | ROUND | GREEN | 4 |
| 95CAP-116 | 12mm | ROUND | ORANGE | 4 |

Mouser Electronics

Authorized Distributor

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Grayhill:

[95C12A4GWT](#) [95C12A3GWT](#) [95C12C3GWT](#) [95C12B3GWT](#) [95C12B4GWT](#) [95C12C4GWT](#)