Series CS

General Specifications

Electrical Capacity (Resistive Load)

| Power Level:    | 3A @ 125V AC or 2A @ 250V AC |

Other Ratings

- **Contact Resistance:** 10 milliohms maximum
- **Insulation Resistance:** 1,000 megohms minimum @ 500V DC
- **Dielectric Strength:** 1,000V AC minimum between contacts for 1 minute minimum; 1,500V AC minimum between contacts & case for 1 minute minimum
- **Mechanical Life:** 50,000 operations minimum
- **Electrical Life:** 20,000 operations minimum
- **Static Capability:** Withstands 12 kilovolts ESD
- **Contact Timing:** Nonshorting (break-before-make)
- **Total Travel:** .087” (2.2mm)

Materials & Finishes

- **Actuator:** Glass fiber reinforced polyamide
- **Cover & Case:** Glass fiber reinforced polyamide (UL94V-0)
- **Movable Contacts:** Copper with silver plating
- **Stationary Contacts:** Silver capped copper with silver plating
- **Terminals:** Copper with silver plating

Environmental Data

- **Operating Temp Range:** –30°C through +85°C (-22°F through +185°F)
- **Humidity:** 90 ~ 95% humidity for 240 hours @ 40°C (104°F)
- **Vibration:** 10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning in 1 minute; 3 right angled directions for 2 hours
- **Shock:** 50G (490m/s²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)

Installation

- **Soldering Time & Temp:**
  - Wave Soldering: See Profile A in Supplement section.
- **Cleaning:** These devices are not process sealed. Hand clean locally using alcohol based solution.

Standards & Certifications

- **Flammability Standard:** UL94V-0 cover & case
High performance and high quality at a low price.

Molded cover and case of high insulating material withstand 12 kilovolts of electrostatic discharge (ESD), providing antistatic feature.

Cover and case UL 94V-0 flammability rated.

Epoxy sealed terminals to lock out flux, dust, and other contaminants.

Suited for a wide variety of applications including telecommunications, electronic controls, audio devices, and household appliances.
Series CS
Miniature Power Rated Slides

TYPICAL SWITCH ORDERING EXAMPLE

Poles
1 SPDT
2 DPDT

Actuators
A Narrow for Single Pole
B Wide for Double Pole

Contact Material & Rating
W Silver Rated 3A @ 125V AC

Circuits
2 ON NONE ON

Mounting
N PCB Mount

Terminals
03 Straight PC

DESCRIPTION FOR TYPICAL ORDERING EXAMPLE
CS12ANW03

POLES & CIRCUITS

<table>
<thead>
<tr>
<th>Pole</th>
<th>Model</th>
<th>Slide Position</th>
<th>Connected Terminals</th>
<th>Throw &amp; Schematics</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP</td>
<td>CS12</td>
<td>ON NONE ON</td>
<td>2-1 2-3 OPEN 2-3</td>
<td>SPDT</td>
</tr>
<tr>
<td>DP</td>
<td>CS22</td>
<td>ON NONE ON</td>
<td>2-1 5-4 OPEN 2-3</td>
<td>DPDT</td>
</tr>
</tbody>
</table>

Note: Terminal numbers are not actually on switch.
Miniature Power Rated Slides

Series CS

MOUNTING

Panel Cutouts  PCB Footprints

Single Pole  Single Pole

Double Pole  Double Pole

TYPICAL SWITCH DIMENSIONS

Actuator shown in LEFT position

Single Pole  CS12ANW03

Double Pole  CS22BNW03

Actuator shown in LEFT position

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