

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.

Manual Soldering: See Profile B 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

Distinctive Characteristics

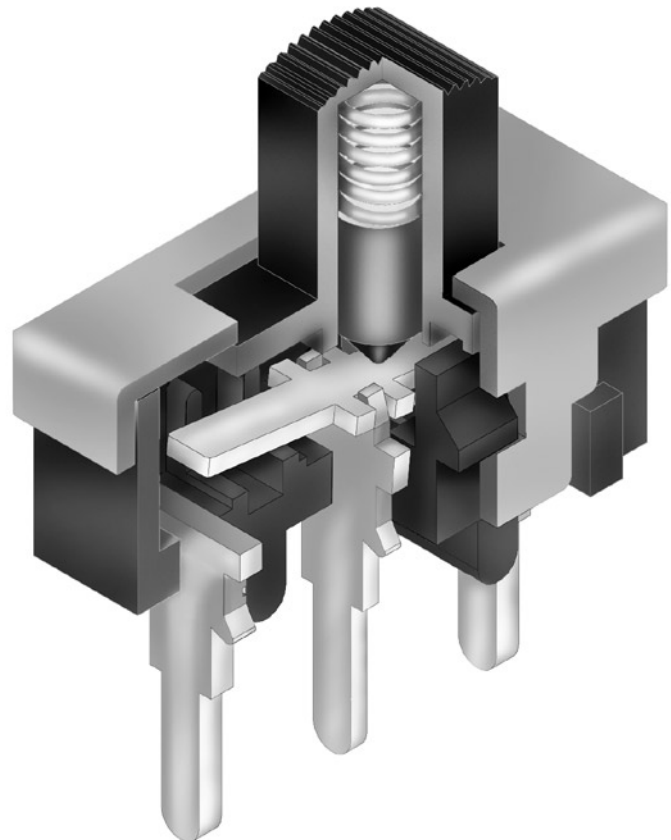
High performance and high quality at a low price.

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

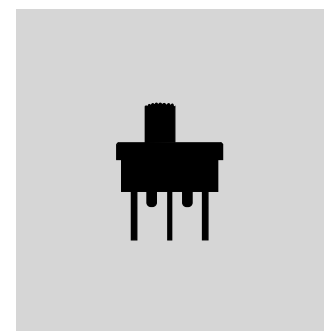
Cover and case UL 94V-0 flammability rated.

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

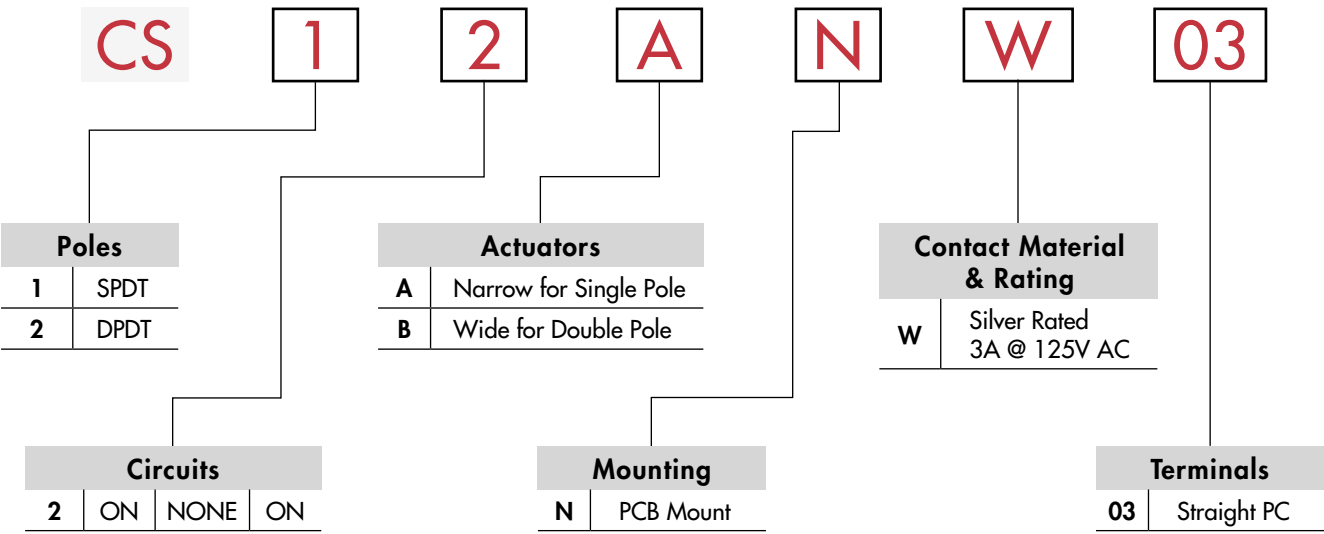
Suited for a wide variety of applications including telecommunications, electronic controls, audio devices, and household appliances.



Actual Size

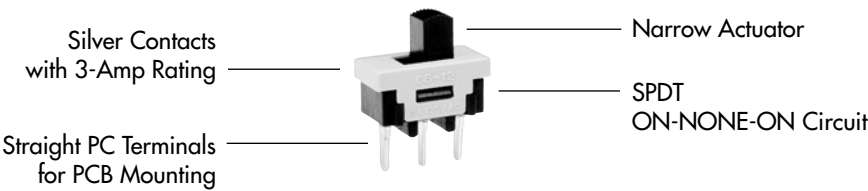


TYPICAL SWITCH ORDERING EXAMPLE



DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

CS12ANW03

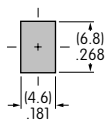


POLES & CIRCUITS

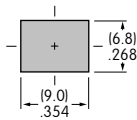
| | | Slide Position | | | Connected Terminals | | | Throw & Schematics |
|------|-------|----------------|--------|-------|---------------------|--------|---------|--|
| Pole | Model | Left | Center | Right | Left | Center | Right | Note: Terminal numbers are not actually on switch. |
| | | | | | | | | |
| SP | CS12 | ON | NONE | ON | 2-1 | OPEN | 2-3 | SPDT |
| DP | CS22 | ON | NONE | ON | 2-1 5-4 | OPEN | 2-3 5-6 | DPDT |

MOUNTING

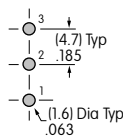
Panel Cutouts



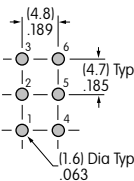
Single Pole



Double Pole

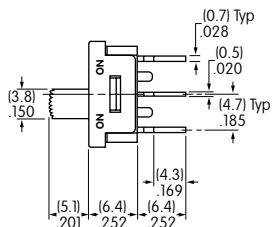
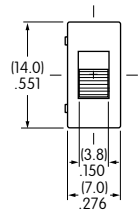


Single Pole

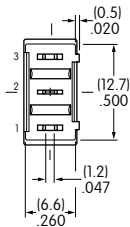


Double Pole

TYPICAL SWITCH DIMENSIONS



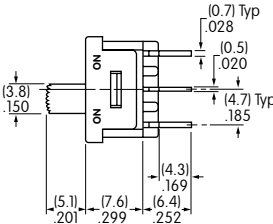
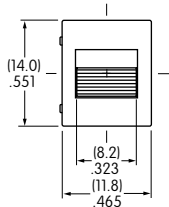
Actuator shown in LEFT position



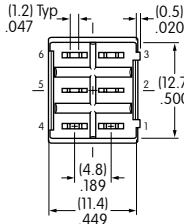
Single Pole



CS12ANW03



Actuator shown in LEFT position



Double Pole



CS22BNW03

Mouser Electronics

Authorized Distributor

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