

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

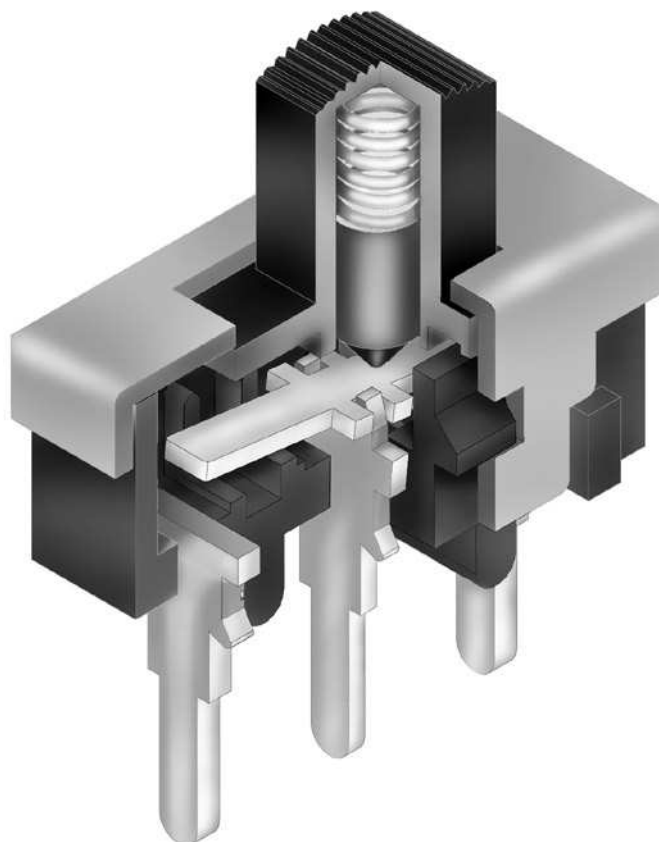
High performance and high quality at a low price.

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

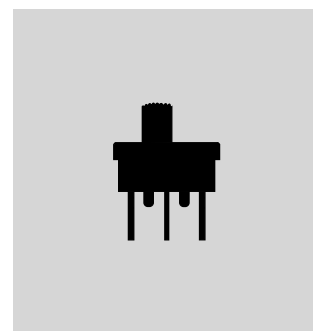
Cover and case UL 94V-0 flammability rated.

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

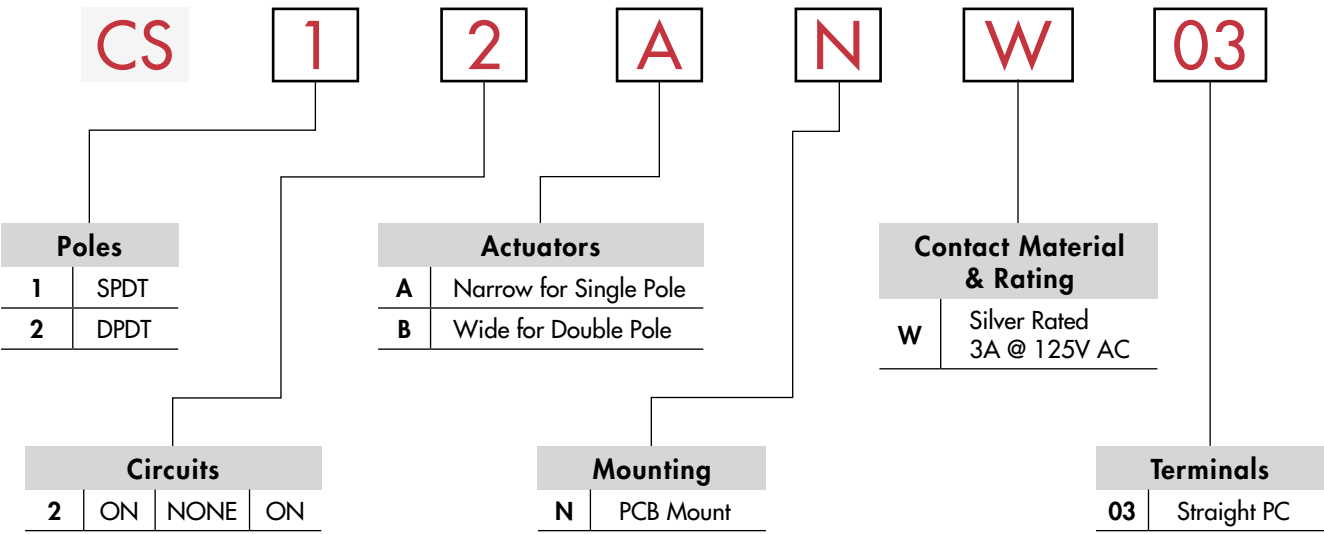
Suited for a wide variety of applications including telecommunications, electronic controls, audio devices, and household appliances.



Actual Size

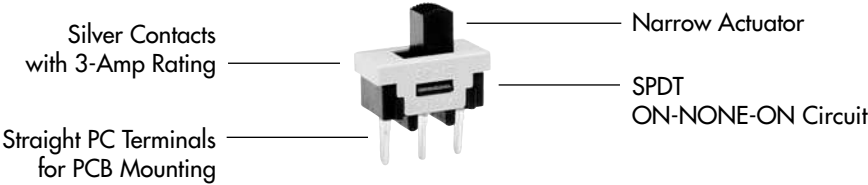


TYPICAL SWITCH ORDERING EXAMPLE



DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

CS12ANW03



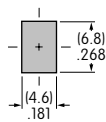
POLES & CIRCUITS

		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

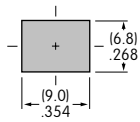
MOUNTING

Panel Cutouts

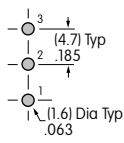
PCB Footprints



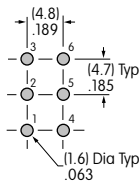
Single Pole



Double Pole

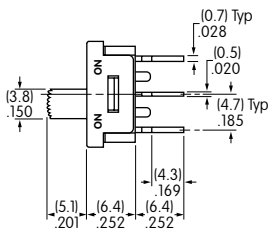
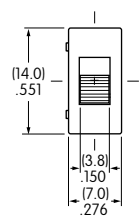


Single Pole

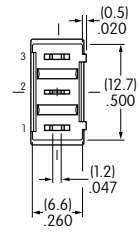


Double Pole

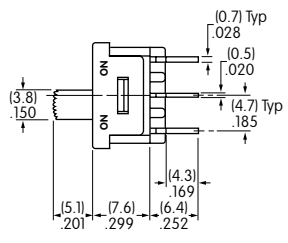
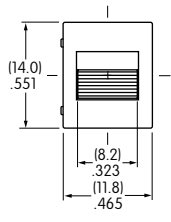
TYPICAL SWITCH DIMENSIONS



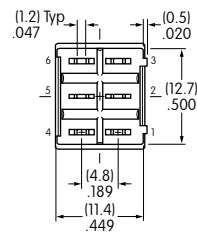
Actuator shown in LEFT position



CS12ANW03



Actuator shown in LEFT position



CS22BNW03