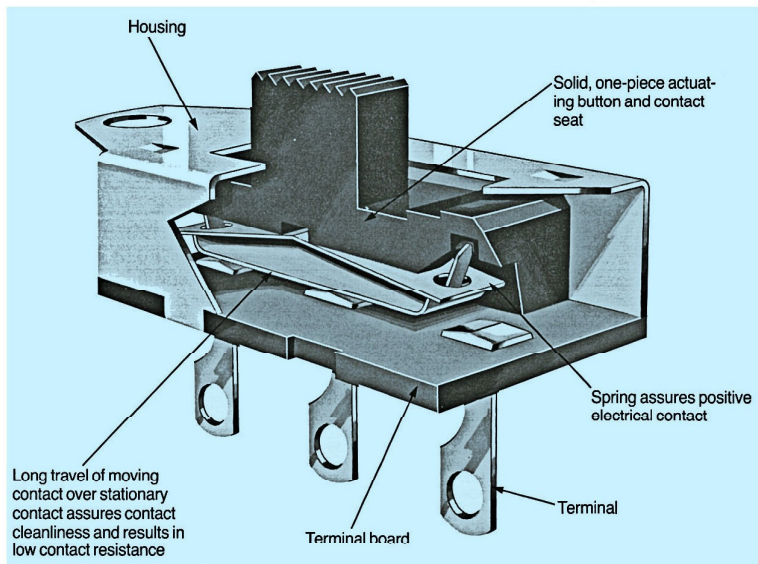


CW Switch Construction



Features:

- One through four poles
- Two through five positions
- For switching up to 8.5 amps at 125 volts ac
- Detent or spring return
- Panel or PC board mount
- Top, side, or end actuation
- Solder, solderless, or wire wrap termination

U.L. AND C.S.A.

CW test laboratories are fully equipped to monitor and test CW switches to U.L. and C.S.A. published standards. Most CW switches are listed by these agencies as having conformed to those standards in tests applied on a continuing basis. A record of types of CW switches listed is retained in U.L. File Number E-9556 and in C.S.A. File Number LR20985.

PERFORMANCE STANDARDS

CW switches are designed to perform to the standards listed when operated within ambient conditions detailed below:

Operating temperature—104°C maximum, -10°C minimum.

Relative humidity—Switches will be operable and insulation resistance shall be greater than 100 megohms if allowed to dry for 100 hours at room temperature of 25°C and after exposure for one hour in an atmosphere having 95% relative humidity and a temperature of 50°C.

High voltage breakdown—Minimum of 1000 volts rms 60 Hz for one minute between parts of opposite polarity.

Contact resistance—Less than 0.01 ohm at 20 milliamperes dc.

Life cycling (no load)—Switches will be operative after 10,000 (minimum) cycles at the rate of 10 cycles per minute.

Life cycling (load)—Switches will be operative after 6000 (minimum) cycles at the rate of 10 cycles per minute at rated load.



MATERIALS OF CONSTRUCTION

Buttons—Black type 6/6 nylon.

Housings—Cold-rolled steel.

Housing plating—4-point PC board mount switches—electro-tin; others—zinc followed by clear chromate.

Moving contact—Copper or copper alloy.

Moving contact plating—Silver is standard. Gold (30 microinches of gold over 50 microinches of nickel) is available. Other gold thicknesses are available if your quantities are sufficient.

Moving contact spring—Phosphor bronze or beryllium copper.

Terminals—Copper.

Terminal plating—Silver is standard. Gold (30 microinches over 50 microinches of nickel) on many popular types is available.

Terminal board—NEMA Grade XP phenolic laminate.

(Other materials to suit your application are available if volume is sufficient. Consult factory.)