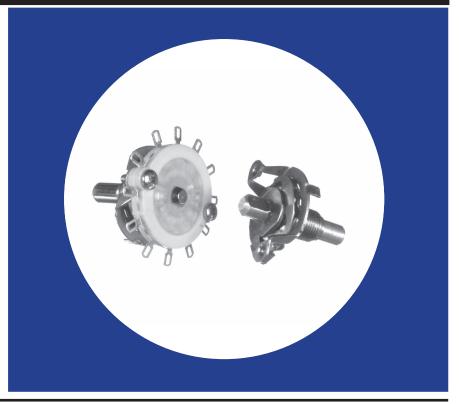


Series 212 Technical Data

CTS 212 Rotary Switches

Features

- · Hill and valley detent
- · Balanced double bump detent spring
- · Excellent feel
- 30° or 60° indexing
- · Spring return styles available
- · Adjustable stop available
- · Solder lug and printed circuit terminals available
- Molded stator prevents solder from flowing into the circuit
- · Custom switching patterns available
- · Index or wafers are available separately
- RoHS compliant



Electrical and Mechanical Specifications

Indexing

Double bump spring hill and valley detent with standard 30° indexing for 2 through 12 positions or with special 60° indexing from 2 to 6 positions.

Special 90° indexing consult CTS

Voltage and Current Rating

UL Rating: 3/4 amp at 125 VAC (shorting type only)
Special Rating: 1/4 amp at 28 VDC (shorting or non shorting)
1 amp at 28 VDC (shorting type only)

Contact Resistance

15 milliohms max. when measured from adjacent terminals Stop Strength

15 in-lb (17.3Kgf-cm).

Torque

Up to 48 in-oz. (3.5Kgf-cm).

Detent Rotational Life

Standard:25,000 cycles through 12 positions and return at 10 cycles per minute.

Materials

Shaft:Aluminum or unplated brass at CTS option

Bushing:Standard — Brass

Detent Spring: Spring brass or nickel silver depending

on torque requirements

Front Plate: Zinc plated or nickel plated plated steel at CTS option Rotor Contacts, Stator Contacts and Terminals: Silver plated

brass standard

Stator Insulator: Glass reinforced thermoset material

Bushing Lengths

Standard: 3/8"-32 UNEF-2A Thread,1/4" (6.35mm) or 3/8" (9.53mm) long.

Special Lengths: Available as required

Locating Lugs

Standard:Left side .531" (13.5mm) radius Special:Right side .531" (13.5mm) radius or no lug

Shaft Trim

Standard:Plain round Special:Flat, slot, knurl, or mixed (flat with slot)

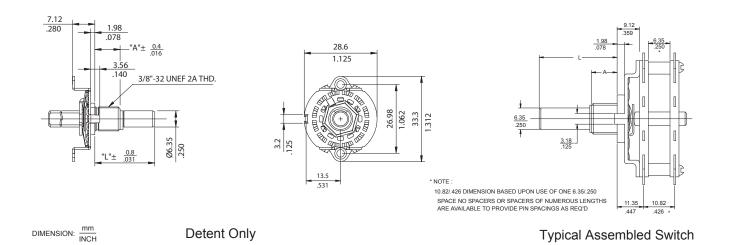
Frames

Machine screw, bolt & nut, or rivet construction

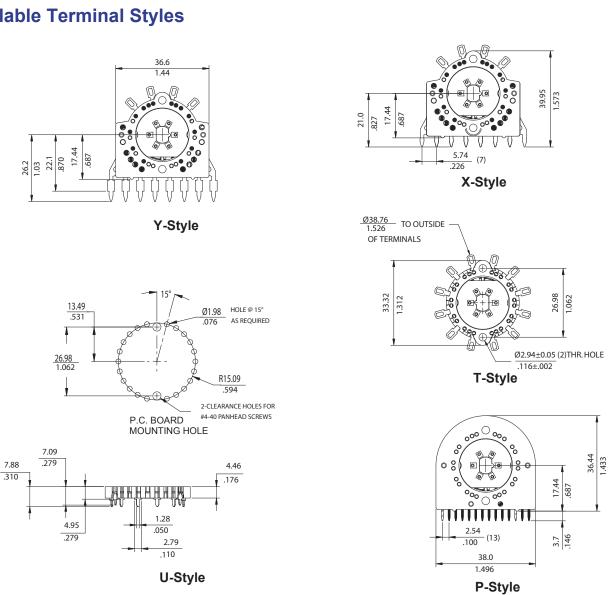
Lubrication

Special lubrication is used sufficient for the life of the index assembly under normal hand operation.

Physical Dimensions



Available Terminal Styles



 ${\color{red} {\sf DIMENSION:}} \ \frac{{\color{blue} {\sf mm}}}{{\color{blue} {\sf INCH}}}$

Ordering Information

