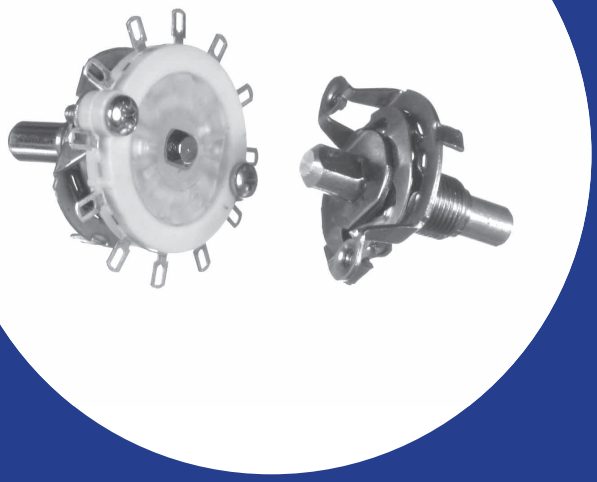
Series 212 Technical Data

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 standand 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

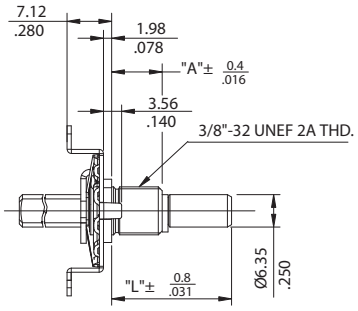
Locating Lugs
Standard:Left side .531" (13.5mm) radius
Special:Right side .531" (13.5mm) radius or no lug

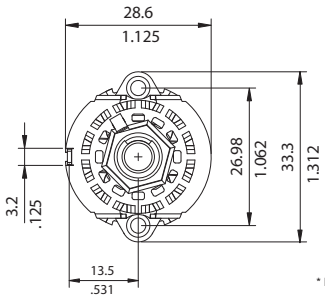
Shaft Trim
Standard:Plain round
Special:Flat, slot, knurl, or mixed (flat with slot)

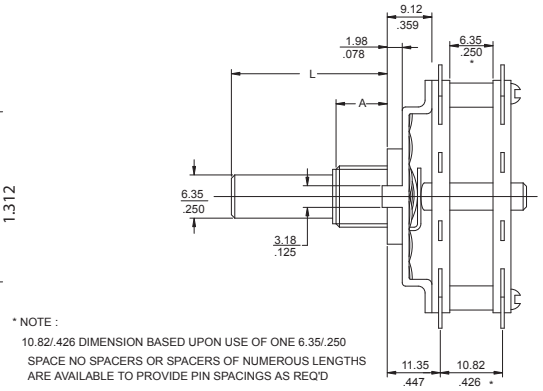
Frames
Machine screw, bolt & nut, or rivet construction

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

Physical Dimensions







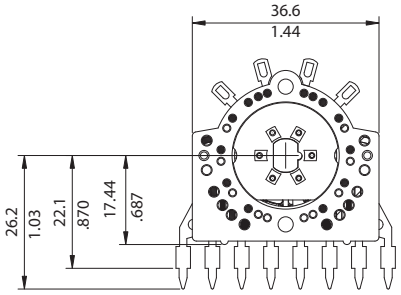
* NOTE :
10.82/.426 DIMENSION BASED UPON USE OF ONE 6.35/.250
SPACE NO SPACERS OR SPACERS OF NUMEROUS LENGTHS ARE AVAILABLE TO PROVIDE PIN SPACINGS AS REQ'D

DIMENSION: mm / INCH

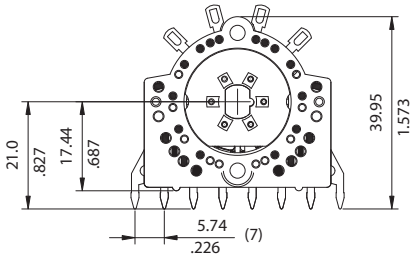
Detent Only

Typical Assembled Switch

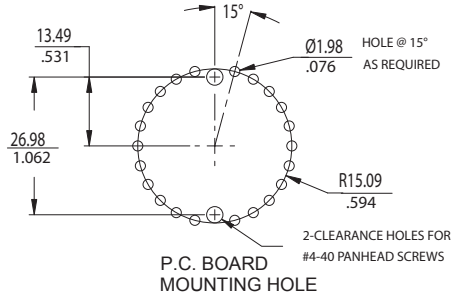
Available Terminal Styles



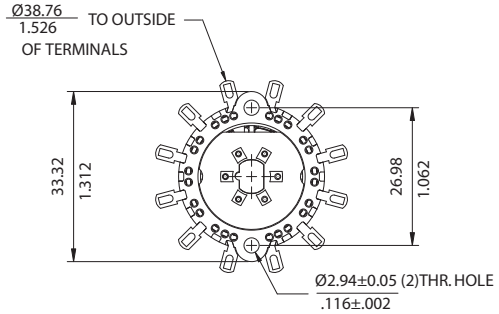
Y-Style



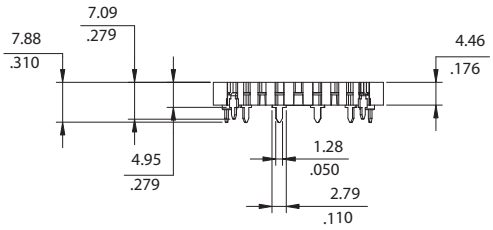
X-Style



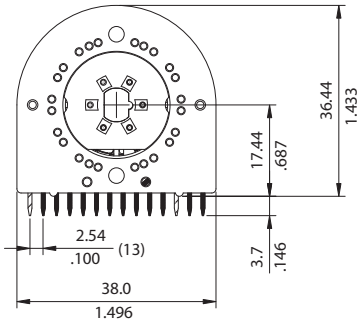
P.C. BOARD MOUNTING HOLE



T-Style



U-Style



P-Style

DIMENSION: mm / INCH

Ordering Information