

Series 212 Industrial Rotary Switch

- Hill and valley detent
- Balanced double bump detent spring
- 30 °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



Description

The 212 Series allows versatility in design applications by providing reliable, precise and heavy rotational adjustment. The options of terminal styles, mounting styles, shaft trims and index or adjustment stops provide flexibility to meet your exact design requirements. A UL high power rating will meet the requirements of many industrial devices.

Ordering Information

Series	Terminal Styles	Poles	Positions	Contact type	Mounting Style	Shaft FMS 1/32" Increments	Shaft Trim	Specials	Index or Adjustable Stop																																																																																
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Electrical Specifications

Parameter	Conditions & Remarks	Min	Max	Unit
Operating Temperature Range		-35	+85	°C

Potentiometer Function

Indexing	Double bump spring hill and valley detent with standard 30 ° indexing	2	12	Positions
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)	
Detent Rotational Life			25,000	cycles
Rotational Life			50,000 (Unloaded) 10,000 (Loaded)	Cycles
Torque		10	60	in-oz.
Contact Resistance			.015	ohm

Mechanical and Environmental

Stop strength:	15 in-lb (17.3 Kgf-cm)
Shaft material:	Aluminum or unplated brass at CTS option
Bushing material:	Brass
Detent spring material:	Spring brass or nickel silver depending on torque requirements
Front plate material:	Tin plated or nickel plated steel
Rotor contacts, stator contacts and terminals material:	Silver plated brass standard
Stator insulator material:	Glass reinforced thermoset
Bushing lengths:	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, flat, slot, knurl, or mixed (flat with slot) Special- Available as request
Frames	Machine screw, bolt & nut, or rivet construction
Panel seal	Available with bushing and shaft seal
RoHS	Lead-Free. Fully compliant to RoHS Directive
Packaging :	Standard paper box packaging

Mechanical Specifications

Figure 1 – Physical dimensions

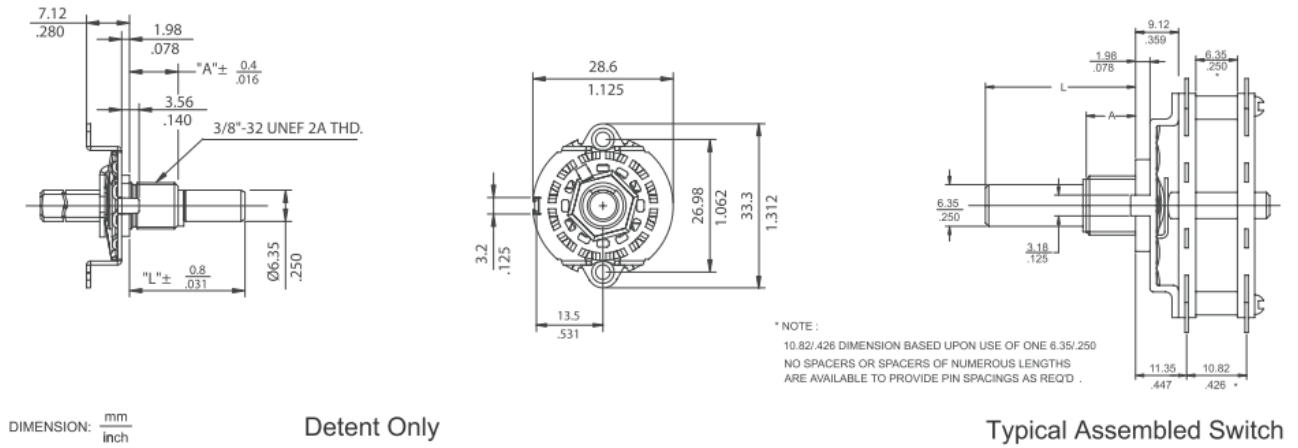


Figure 2 – Available Terminal Styles

