

Features

- Conductive plastic
- PC board and bushing mount
- Plastic or metal bushing and plastic shaft
- Withstands typical industrial washing processes
- Compact package saves board and panel space

Additional Information

Click these links for more information:











3310 – 9 mm Square Sealed Panel Control

Electrical Characteristic	cs ¹
	_inear1 K ohms to 1 megohm
	near Tapers±20 %
	±5 %
	2 % or 2 ohms maximum (whichever is greater)
	270° ±15°
	(MIL-STD-202 – Method 301)
Sea Level	
Insulation Resistance	
Power Rating @ 70 °C (Derate	to 0 at 125 °C - Voltage Limited By Power Dissipation or 200 VAC, Whichever is Less)
Theoretical Resolution	
Environmental Characte	eristics
Operating Temperature Range	40 °C to +125 °C (-40 °F to +257 °F)
	55 °C to +125 °C (-67 °F to +257 °F)
	Storage Temperature Range±1,000 ppm/°C
Vibration	30 G
Total Resistance Shift	±1 % maximum
Voltage Ratio Shift	±1 % maximum
	100 G
	±1 % maximum
Voltage Ratio Shift	±1 % maximum
Load Life	
Total Resistance Shift	±10 % TRS maximum
Rotational Life (No Load)	
	±5 % TRS maximum
	on
	±10 % TRS maximum
	1 N/A
Mechanical Characteris	
Torque	250 110
	3.53 N-cm (5.0 ozin.) maximum
	ng)
	4.5 grams
	2.5 grams
,	Solderable pins
Soldering Condition	
Wave Soldering	
Wash Processes	
Marking	
Ganging	
Hardware	One lockwasher (H-37-5) and one mounting nut (H-38-1) is shipped with each potentiometer, except bushingless versions
Epoxy	
IP Rating	IP67
Switch Characteristics	
Switch Life	10K cycles
Contact Resistance	2 ohms max
Dielectric Strength	350 VDC
Detent Torque	
Power Rating (Resistive Load)	100 mA @ 16 VDC
¹ Electrical specifications tested	at 60 RPM, at room ambient: +25 °C nominal.



Additional Features

- Audio taper versions available as special order
- RoHS compliant*

3310 - 9 mm Square Sealed Panel Control

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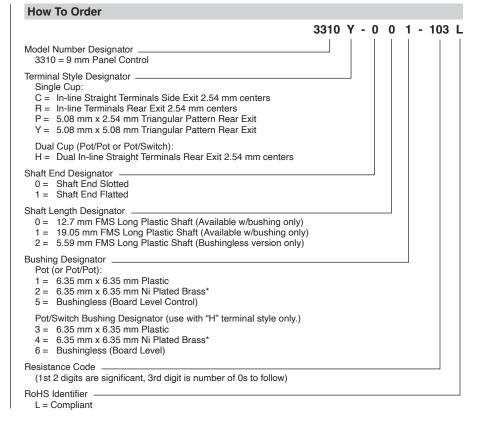
Standard Resistance Table

Resistance (Ohms)	Resistance Code
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105

Popular values listed in boldface. Consult factory for special resistances.

Date Code Description



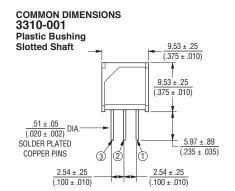


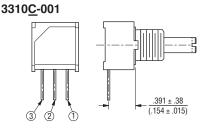
*Bushing Designator 2 and 4 are currently available, but not recommended for new designs.

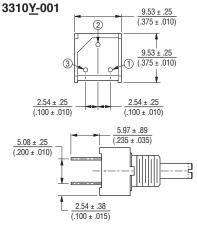
3310 - 9 mm Square Sealed Panel Control

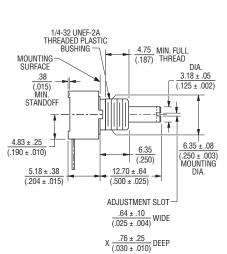
BOURNS®

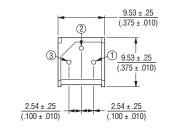
Product Dimensions





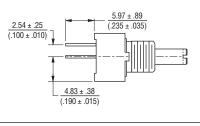


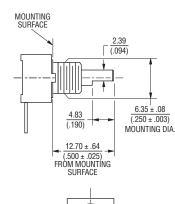


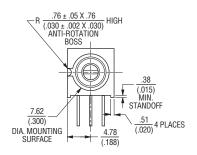


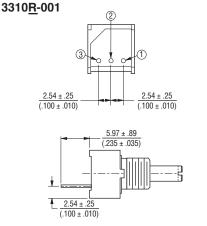
3310P-001





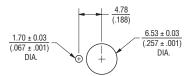








MOUNTING HOLE PATTERN



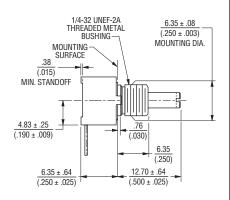
DIMENSIONS: $\frac{MM}{(INCHES)}$

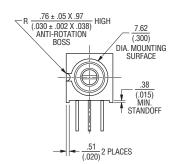
3310 – 9 mm Square Sealed Panel Control

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Product Dimensions

COMMON DIMENSIONS 3310-002 Metal Bushing

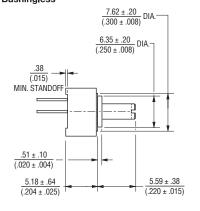


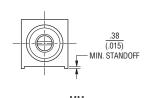


3310<u>C</u>-00<u>2</u> B C A 5.08 ± .51 (200 ± .020)

NOTE: * Only recommended shaft length for bushingless version

3310<u>P</u>-0<u>25</u> * Bushingless



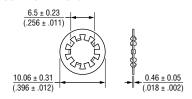


(INCHES)

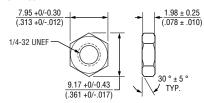
DIMENSIONS:

Hardware

LOCKWASHER H-37-5



NUT H-38-1



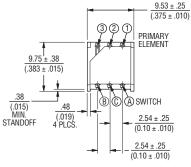
DIMENSIONS: $\frac{MM}{(INCHES)}$

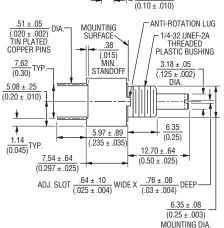
3310 - 9 mm Square Sealed Panel Control

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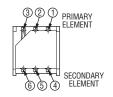
Product Dimensions

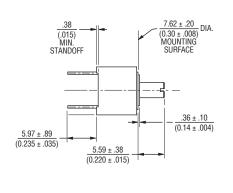
COMMON DIMENSIONS 3310H-003
Pot/Switch Dual Cup
Plastic Bushing



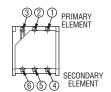


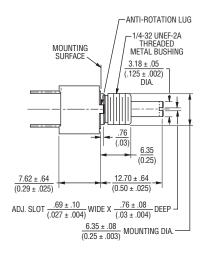
3310<u>H</u>-0<u>25</u>* Pot/Pot Dual Cup Bushingless



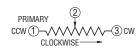


3310<u>H</u>-002 Pot/Pot Dual Cup Metal Bushing





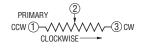
Pot/Pot Dual Cup





DIMENSIONS: $\frac{MM}{(INCHES)}$

Pot/Switch Dual Cup



© COMMON SWITCH CCW (A)—O O—(B) CW CLOCKWISE——

Pot Single Cup



NOTE: * Only recommended shaft length for bushingless version

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