

May, 2005



Sensors & Controls Division

Manufacturers Representatives  
Corporate Distributor Product Managers  
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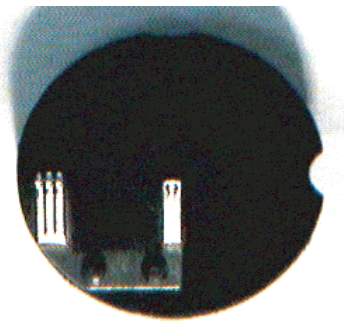


## Contact Spring Design Upgrade for Bourns® Model 6639 Precision Control Product

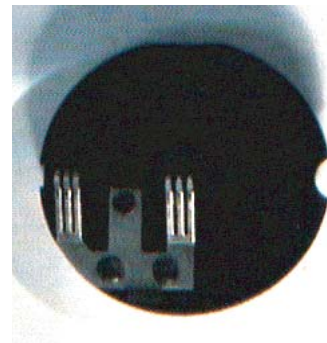
In line with our commitment to product excellence, Sensors & Controls Division introduces a product improvement to our popular Model 6639 single-turn precision control potentiometer. The product improvement entails an upgraded contact spring design and modification to the element as detailed below. This product improvement is designed to provide better reliability and stability to the output under continuous exposure to low-level vibration that may be encountered in normal use.



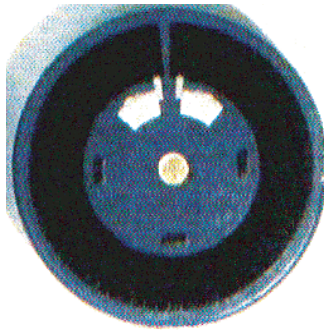
As detailed in the photos below, the design upgrade includes changing from a single-finger center contact to a trifurcated center contact. Additional design upgrades include increasing the diameter of the center pin on the element to accommodate the new contact spring. This change in materials and technology enhances the reliability of the product and does not affect electrical or mechanical performance of the product.



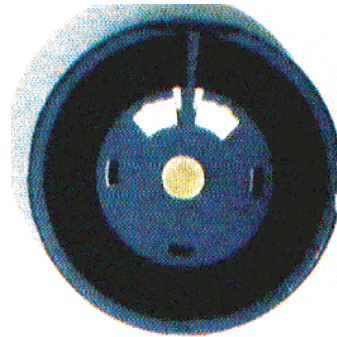
*Old single-finger center contact*



*New trifurcated center contact*



**Old 0.080" diameter center pin**



**New 0.110" diameter center pin**

The changes to this product do not affect current compliance to RoHS requirements. These modifications are internal to the product. **This upgrade does not affect form, fit or function of the product.** Production of standard part numbers with the **enhancements will begin shipping with date code 0518X.**

There will be no changes to current prices, minimum order quantities or multiples.

Please ensure your customers are notified of this product upgrade. Feel free to contact one of our Field Application Engineers if you have questions or require additional technical assistance and qualification samples.

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Best regards,

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