BOURNS®

PRODUCT CHANGE **NOTIFICATION**

OVERVOLTAGE PROTECTION



2029 Series Heavy Duty Gas Discharge Tube Surge Arrestor

Change to Manufacturing Location, Design and Materials

Riverside, California – October 1, 2026 – As part of Bourns' strategic initiative to strengthen its global manufacturing footprint, production of the 2029 Series Heavy Duty Gas Discharge Tube Surge Arrestor will transition to an expanded manufacturing location, effective January 4, 2027. This initiative reflects the consolidation of production within Bourns' existing manufacturing network, improving operational efficiency and reinforcing supply chain resilience to better serve our customers' evolving demand. A list of affected part numbers is included below.

Affected Part Numbers		
2029-09-SM-RPLF	2029-23-SM-RPLF	2029-42-SM-RPLF
2029-15-SM-RPLF	2029-35-SM-RPLF	

The country of origin for the 2029 Series Heavy Duty Gas Discharge Tube Surge Arrestor will change from Costa Rica to China. The product incorporates a revised design and updated materials aligned with the capabilities and processes of the new manufacturing location. As a result, the form, fit, and function will change. Established and standardized quality controls, lot traceability, and continuous monitoring processes across Bourns' manufacturing locations ensure that the quality and reliability of the affected parts will remain unchanged.

The form, fit, and function are changing because the 2029 Series Heavy Duty Gas Discharge Tube Surge Arrestor will have updated electrical and mechanical specifications due to part changes associated with the location change. These updated specifications are provided in the Electrical, Mechanical and Environmental Specification Changes Table and Impulse Sparkover Specification Changes Table at the end of this document.

These changes have been validated through Bourns' qualification processes, in alignment with applicable industry standards and market requirements.

There are no changes to the Bourns® part numbering scheme, branding, safety certification, or applicable test methods (ITU-T K.12, IEEE C62.31, IEC 61643-311) for the part numbers listed below.

Parts manufactured prior to January 4, 2027 will reflect the current specifications, while the updated values will apply to all shipments from that date forward.

Samples are available upon request. Bourns recommends that customers test the affected part numbers in their specific applications for verification of satisfactory performance.

Implementation dates are as follows:

Date that deliveries of products manufactured with the current specifications will cease: ***December 18, 2026***
Date that deliveries of products manufactured will begin: ***January 04, 2027***
First date code using the above changes: ***2701***

If you have any questions or need additional information, please feel free to contact Customer Service/Inside Sales.

GDT2623

Users should verify that the described changes will not impact the performance of the product in their specific applications.

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Electrical/Mechanical/Environmental Specification Changes

Specification	Description	Previous Specification	New Specification
Electrical	DC Sparkover @ 100 V/s	(+/-) 15 % V	(+/-) 20 % V
Electrical	Impulse Sparkover @ 1000 V/us	Typical/Maximum	Maximum
Electrical	Impulse Sparkover @ 1000 V/us	Check comparative table	Check comparative table
Electrical	Impulse Sparkover @ 100 V/us	Check comparative table	Check comparative table
Electrical	Impulse Discharge Current 10/700 µs 500 operations	100 A	To be excluded from data sheet
Electrical	Capacitance	<1 pF	<1.5 pF
Electrical	IR	10 GΩ	1 GΩ
Electrical	AC Discharge Current 11 cycles 1 operations	65 A	To be excluded from data sheet
Mechanical	Diameter (mm)	8.0 +/-0.2	8.3 +/-0.3
Mechanical	Solder Pad height (mm)	8.25	9
Mechanical	Solder pad separation (mm)	4.6	4.4
Mechanical	Solder pad overall width (mm)	7	6.8
Environmental	Storage Temperature	-55 to 125 °C	-40 to 125 °C
Environmental	Operating Temperature	-55 to 125 °C	-40 to 125 °C
Environmental	Climatic Category	55/125/21	40/125/21
Packaging	Reel length/Qty. (mm)	330 mm dia./ 500 units	330 mm dia./ 600 units
Packaging	Reel color	Blue	White
Packaging	Bulk	Bag 250 units Box 1000 units	Bulk packaging not available
Visual marking	Ink Marking	White text/Blue background	Black text/White background

Impulse Sparkover Specification Changes

	Impulse Sparkover 100 V/µs		Impulse Sparkover 1000 V/µs	
Model No.	Previous (typical)	New (maximum)	Previous (typical)	New (maximum)
2029-09	375 V	375 V	600 V	600 V
2029-15	375 V	375 V	625 V	600 V
2029-23	500 V	500 V	750 V	700 V
2029-35	625 V	625 V	875 V	1000 V
2029-42	750 V	750 V	1000 V	1000 V

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