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[SIDACtor® B61089QDR and B9110DF Series
Protection Thyristor Product Image](#)

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New SIDACtor® Protection Thyristors from Littelfuse Safeguard SLIC Interfaces from Lightning-Induced Surges, Power Fault Events

Includes fast-switching crowbarring structures compatible with ITU recommendations

CHICAGO, February 22, 2016 — [Littelfuse, Inc.](http://www.littelfuse.com), the global leader in circuit protection, today introduced two series of SIDACtor® Protection Thyristors designed to protect SLIC (Subscriber Line Interface Circuit) interfaces against lightning-induced surges and power fault events. The surface-mount B61089QDR and B9110DF Series Thyristors for Programmable Tracking Protection contain fast-switching crowbarring structures that are compatible with the Basic levels outlined in the ITU K.20, K.21 and K.45 recommendations from the International Telecommunications Union (ITU).

The B61089QDR Dual-Port Batttrax provides surge protection for SLIC cards that have only implemented negative voltage ringing. The B9110DF Series provides surge protection for SLIC cards that have implemented both positive and negative voltage ringing, which are used in most telecommunications applications today. It also tracks the Vcc reference of the SLIC chipset so that if/when it enters a low quiescent stage, the protection threshold will match this lower threshold.

Applications for the B61089QDR and B9110DF Series include protection for:

- Wireless in the Local Loop (WLL) systems,
- Voice applications that require regenerated POTS (Plain Old Telephone Service) signals,

- Voice over IP (VoIP) applications,
- Private Branch Exchange (PBX) systems,
- Foreign Exchange Station (FXS) applications,
- Digital Pair Gain systems (DPG),
- Digital Loop Carrier (DLC) systems, and
- Small Office, Home Office (SOHO) systems.

“The B61089QDR and B9110DF Series provide crowbarring power fault protection at levels far superior to the typical clamping device,” said Jeff Chin, product line director for SIDACTor Protection Thyristors at Littelfuse. “They combine superior surge protection performance with a low switching threshold and low on-state voltage to ensure better protection.”

B61089QDR and B9110DF Series SIDACTor Protection Thyristors offer these key benefits:

- High performance protection for SLICs with + V_{BAT} and $-V_{BAT}$ references for the B9110DF Series and $-V_{BAT}$ reference for the B61089QDR Series and with changing V_{BAT} references.
- Prevent component property degradation after multiple surge events within the rated limits, thereby extending equipment lifetime.
- Help line drivers comply with global standards because these devices are certified, environmentally friendly and suitable for worldwide usage.

Availability

B61089QDR and B9110DF Series SIDACTor Protection Thyristors are provided in SOIC packages in tape & reel format in quantities of 2,500. For a listing of Littelfuse distributors, please visit Littelfuse.com.

For More Information

Additional information is available on the [B61089QDR Series product page](#) and [B9110DF Series product page](#). For technical questions, please contact: Jeff Chin, product marketing director, at JChin@littelfuse.com

About Littelfuse

Founded in 1927, Littelfuse is the world leader in circuit protection with growing global platforms in power control and sensing. The company serves customers in the electronics, automotive and industrial markets with technologies including fuses, semiconductors, polymers, ceramics, relays and sensors. Littelfuse has over 10,000 employees in more than 40 locations throughout the Americas, Europe and Asia. For more information, please visit Littelfuse.com.

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