

SurgeLogic SurgeLoc

Advanced power and equipment protection for Square D NQ panelboards



by Schneider Electric



▲ *SurgeLogic SurgeLoc*

Utility industry experts estimate that power quality problems, including those resulting from transient voltage surges, cost North American companies a stunning \$80 billion annually. That figure not only includes the high price of direct damage to electrical distribution systems, electronic equipment, software, and tools, but also the crippling cost of lost productivity. Facility downtime, lost data, lost orders, and the disruption of critical processes can seriously reduce productivity. Minimizing the risk of damage from electrical surges is an absolute priority for companies of all types.

The Square D SurgeLogic brand is a 30-year pioneer in the surge protective device industry. Building on a history and reputation for safety and reliability, SurgeLogic SurgeLoc surge protective devices exceed competitor products with outstanding specifications in a compact device.

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The estimated cost of power quality problems for North American companies



Easy installation, space-saving, money-saving design



Setting a new standard for commercial internally mounted surge protective devices (SPDs), the Square D Surgeloc™ product line from Schneider Electric™ has revolutionized commercial surge protection with the SurgeLoc product.

Engineered with input from contractors and specifiers, the innovative SurgeLoc device saves time and money normally required when SPDs are factory-installed on any project.

Installs in two minutes or less, a significant reduction from the typical 20 minutes for an externally mounted SPD.

- Uses standard-sized panels, requiring only 0 to 6 inches of increased panel size based on the number of breaker slots needed
- Unique design for easy field mounting and retrofitting
- Custom bus bar, rails, dead front, and fasteners not required
- Eliminates the need for specialized hardware at the bottom of the panel
- Reduces the overall cost of adding internal surge protection to any panelboard
- Wider range of Surge Current Ratings (80 kA – 240 kA)
- Advanced diagnostics for improved SPD status information



90% Installation time reduction

Standard features:

- Enhanced EMI/RFI Filtering
- Engineered to UL® 1449 3rd Edition, Type 1 SPD and complies with UL 96A for Lightning Protection Systems
- Requires only six breaker spaces on each side (12 spaces total)
- 24 – 30% height reduction by using standard panel sizes
- Factory- or field-installable
- Diagnostic interface with audible alarm, dry contacts surge counter, and phase testing

Better performance

- Short phase wires
- Direct bus connection

Space savings

- Eliminates need for additional enclosure or longer wire leads for mounting external SPD

Cost savings

- Does not require additional wire, conduit, connectors, or circuit breakers

Specifications:

Model Number	Voltage	Surge Current	Modes of Protection	I(n)	SCCR	VPR
SSP01BIA08PBQ1	120 / 240 V	80 kA	6	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L
SSP02BIA08PBQ1	208 Y / 120 V	80 kA	10	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L
SSP03BIA08PBQ1	240 / 120 HLD	80 kA	10	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L, H-N, H-L, H-G
SSP01BIA10PBQ1	120 / 240 V	100 kA	6	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L
SSP02BIA10PBQ1	208 Y / 120 V	100 kA	10	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L
SSP03BIA10PBQ1	240 / 120 HLD	100 kA	10	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L, H-N, H-L, H-G
SSP01BIA12PBQ1	120 / 240 V	120 kA	6	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L
SSP02BIA12PBQ1	208 Y / 120 V	120 kA	10	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L
SSP03BIA12PBQ1	240 / 120 HLD	120 kA	10	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L, H-N, H-L, H-G
SSP01BIA16PBQ1	120 / 240 V	160 kA	6	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L
SSP02BIA16PBQ1	208 Y / 120 V	160 kA	10	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L
SSP03BIA16PBQ1	240 / 120 HLD	160 kA	10	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L, H-N, H-L, H-G
SSP01BIA20PBQ1	120 / 240 V	200 kA	6	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L
SSP02BIA20PBQ1	208 Y / 120 V	200 kA	10	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L
SSP03BIA20PBQ1	240 / 120 HLD	200 kA	10	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L, H-N, H-L, H-G
SSP01BIA24PBQ1	120 / 240 V	240 kA	6	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L
SSP02BIA24PBQ1	208 Y / 120 V	240 kA	10	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L
SSP03BIA24PBQ1	240 / 120 HLD	240 kA	10	20 kA	200 kA	700 L-N, L-G, N-G / 1200 L-L, H-N, H-L, H-G

The SurgeLogic SurgeLoc device is designed for Type 1 Surge Protection.



Unmatched surge suppression. Unequaled experience.

With the rapid growth of the internet and web-hosting facilities, and an explosion in the use of sensitive electronic equipment and controls in manufacturing plants, offices, hospitals, and water/wastewater facilities, there is a universal demand for reliable power. Schneider Electric is the world's leader in power protection. From residential surge circuit breakers to large commercial surge protection, Square D Surgelocic brand products are **dedicated to advancing technology to safely deliver and control electrical power for all of our customers around the world.**





Take the next step to dependable power and equipment security with SurgeLoc surge protective devices. Whatever your requirements for products are, Schneider Electric has a solution to meet your needs. For more information, call us at **1-800-577-7353**.



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