

SQUARE D SDSA Secondary Surge Arresters

Designed to the highest standards of reliability in the industry for protection against lightning and high current surges up to 40,000 amps

SQUARE D SDSA secondary surge arresters include two models, SDSA1175 and SDSA3650, which include the following distinctive features:

- UL and cUL Listed to UL 1449-Second Edition as TVSS and secondary surge arresters
- Designed to meet ANSI/IEEE C62.11-1987 for surge arresters
- Suitable for use in Category B and C locations, for use on grounded systems only
- Metal oxide varistor (MOV) design for faster response and lower clamping voltages than traditional gas tube arresters
- Response time of less than 50 nanoseconds
- LED status indicator for easy visual indication of the device's operational status
- Non-replaceable internal fuse link for protection against varistor-damaging sustained overvoltages
- Housing made of high-temperature thermoplastic to ensure reliable performance in both indoor and outdoor applications
- Maintenance-free, long-life design.

Application Data

The SDSA1175 is designed for use on 120/240 Vac, 50/60 Hz electrical services. Two of these devices can be used to protect 208Y/120 Vac three-phase, four-wire services.

The SDSA3650 is designed to be used where maximum phase-to-ground system voltage does not exceed 600 Vac. Other applications include surge protection of irrigation pumps, oil pumps and motors operating below 600 V.

Both the SDSA1175 and SDSA3650 must be used on grounded systems only.

Selection Information

	1 in. (25 mm) lead	3 in. (76 mm) lead	6 in. (152 mm) lead	12 in. (305 mm) lead	18 in. (457 mm) lead
SDSA1175					
1,500 A surge current	500V	550V	575V	600V	625V
5,000 A surge current	625V	675V	725V	875V	1050V
10,000 A surge current	750V	900V	1075V	1250V	1500V
SDSA3650					
1,500 A surge current	1525V	1750V	1775V	1800V	1825V
5,000 A surge current	1700V	2100V	2125V	2325V	2425V
10,000 A surge current	1925V	2375V	2400V	2700V	3000V



QOSAMK
Surge Arrester
Mounting Kit



MMSAMK
Surge Arrester
Mounting Kit

Merlin Gerin

Modicon

Square D

Telemecanique

Schneider Electric Brands



SQUARE D
Schneider Electric

SQUARE D SDSA

A design force focused on your needs for superior reliability and performance. Schneider Electric offers a wide selection of quality surge protective devices engineered and tested to meet your specific design and application requirements. All of our design and testing is based on years of proven expertise, including extensive testing and qualification in the industry's most advanced facilities.

In addition to SQUARE D SDSA secondary surge arresters, you can also depend on a comprehensive range of Schneider Electric Surge Protective Devices (SPDs) designed for a variety of surge protection needs:



SURGELOGIC™ XR Surge Protective Devices – Surge suppression protection with the added benefits of noise filtration capabilities in a compact, hardwired package for protection from surges up to 40,000 amps on single-phase power systems.



SURGELOGIC™ XW Surge Protective Devices – Available for three-phase power systems up to 600V, the XW is a hardwired TVSS capable of withstanding surges as high as 100,000 amps. The XW comes standard in a Type 1 enclosure with status lights, audible alarm and dry contacts.



SURGELOGIC™ LC Surge Protective Devices – A hybrid device (surge suppression and noise filtration) with up to 40,000 amps surge protection and -75dB of noise filtration; ideal for custom control and other applications with microprocessors, PLCs and motion control.



MERLIN GERIN Multi 9 SPD Surge Protective Devices – A DIN-rail mountable, compact device for MERLIN GERIN applications offering multiple configurations for single- and three-phase power systems with surge protection capacities from 20,000 amps to 80,000 amps.



SURGEBREAKER® Secondary Surge Arresters – Specifically designed for QO or HOMELINE load centers, these SPDs easily plug into place for a secure fit, providing surge protection up to 40,000 amps.



SURGELOGIC™ I-LINE® Surge Protective Devices (TVSS) – Designed as the perfect match for I-LINE panelboards and switchboards offering three-phase protection that easily snaps into place in retrofit or new installations; surge protection up to 160,000 amps and 240,000 amps.

