

SDSA 3-Phase SPDs

Square D Type 1

Surge Protective Devices

Square D™ brand Surgelogic™ SDSA 3-Phase products are compact and affordable Surge Protective Devices (SPDs) available in Wye and Delta configurations. SDSA 3-Phase SPDs offer a simple means to bring down initial surges to manageable levels and can offer additional value in a cascaded SPD system. Their compact design allows surge suppression to be installed adjacent to power panels or directly on sensitive equipment.



by Schneider Electric

SDSA 3-Phase SPDs Features

Superior Performance

Square D brand SurgeLogic SDSA 3-Phase SPDs utilize high-energy suppression circuitry that can be located at any point in the electrical system. They have the flexibility to be used with or without an Overcurrent Protective Device (OCPD).

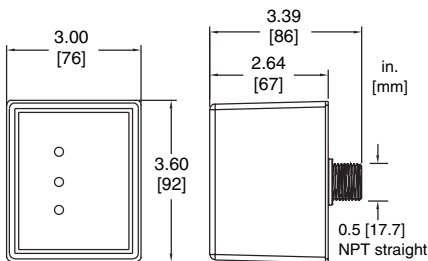
SDSA 3-Phase SPDs provide surge suppression for equipment from severe transient activity. Each metal oxide varistor (MOV) is individually fused and the products carry a NEMA Type 4X rating suitable for installing indoors, outdoors, or in other harsh environments.

Easy Installation

SurgeLogic SDSA 3-Phase SPDs are some of the most versatile, yet compact devices available on the market today. This compact package can be mounted on an electrical panel, meter socket, or inside electrical control cabinets.

Warranty

The SDSA 3-Phase SPD warranty is 2 years.



SDSA 3-Phase SPDs



Performance

| | |
|--------------------------------|-------------------------|
| Surge Current Rating per Phase | 40kA |
| Short Circuit Current Rating | 200kA |
| Modes of Protection | 6 |
| Fusing | Individually fused MOVs |
| Thermal Fusing | Yes |
| Overcurrent Fusing | Yes |
| Operating Frequency | 50/60 Hz |

Mechanical Description

| | |
|-----------------------|---|
| Enclosure | Non-Metallic |
| NEMA Rating | NEMA Type 4X |
| Connection Method | #12 AWG |
| Weight | 1.63 lbs (0.738 kg) |
| Mounting Method | Close Nippled, Back Mounted |
| Operating Altitude | Sea Level-12,000' (3,658 m) |
| Storage Temperature | -31° F to +176° F (-35° C to +80° C) |
| Operating Temperature | -31° F to +176° F (-35° C to +80° C) |
| Operating Humidity | 0 to 95% non-condensing |

Diagnostics

Green status LED

Listings and Performance

cULus Listed per UL 1449 4th Edition Type 1 SPD, CSA C22.2 No. 269.1-14

The SDSA2040, SDSA4040, and SDSA3650 is a four-wire surge suppressor designed for use on solidly grounded systems. The SDSA2040D, SDSA4040D, and SDSA3650D is a three-wire surge suppressor designed for delta applications.

| Voltage | Surge Current per Phase | Modes of Protection | Configuration | Model Number | MCOV | SCCR | I _n | VPR | | | |
|-------------------------|-------------------------|---------------------|---------------|--------------|--------------------|-------|----------------|-------|-----|-------|-----|
| | | | | | | | | L-N | L-G | L-L | N-G |
| 208Y/120V ¹ | 40kA | 6 | 3 Ø, 4-wire | SDSA2040 | 180V L-N 360V L-L | 200kA | 10kA | 700V | N/A | 1200V | N/A |
| 240V Delta ² | 40kA | 3 | 3 Ø, 3-wire | SDSA2040D | 360V L-L | 200kA | 10kA | N/A | N/A | 1200V | N/A |
| 480Y/277V ³ | 40kA | 6 | 3 Ø, 4-wire | SDSA4040 | 420V L-N 840V L-L | 200kA | 10kA | 1500V | N/A | 2500V | N/A |
| 480V Delta | 40kA | 3 | 3 Ø, 3-wire | SDSA4040D | 840V L-L | 200kA | 10kA | N/A | N/A | 2500V | N/A |
| 600Y/347V | 40kA | 6 | 3 Ø, 4-wire | SDSA3650 | 510V L-N 1020V L-L | 200kA | 10kA | 1800V | N/A | 3000V | N/A |
| 600V Delta | 40kA | 3 | 3 Ø, 3-wire | SDSA3650D | 1020V L-L | 200kA | 10kA | N/A | N/A | 3000V | N/A |

¹ Applicable voltages: 220Y/127V, 208Y/120V

² Applicable voltages: 240V Delta, 240/120V High-Leg Delta

³ Applicable voltages: 480Y/277V, 415Y/240V, 400Y/230V, 380Y/220V