

SDSA3650 SPDs

Square D Type 1 Surge Protective Devices

Square D™ brand Surgelogic™ SDSA3650 products are compact and affordable Surge Protective Devices (SPDs). SDSA3650 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.



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Features

Superior Performance

Square D brand SurgeLogic SDSA3650 SPDs utilize high-energy suppression circuitry that can be located at any point in the electrical system. As a Type 1 rated device, they have the flexibility to be used with or without an Overcurrent Protection Device (OCPD).

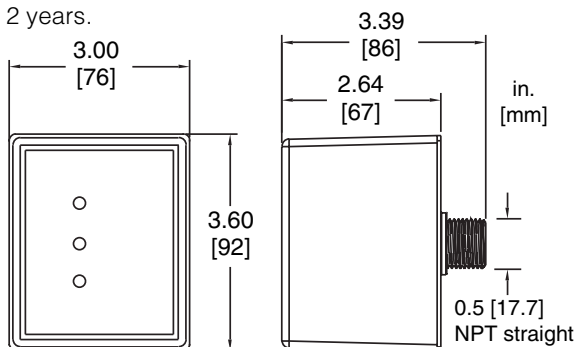
SDSA3650 SPDs provide surge suppression for equipment from severe transient activity. Each metal oxide varistor (MOV) is individually fused and the products carry a NEMA Type 4X rating suitable for installing indoors, outdoors, or in other harsh environments.

Easy Installation

SurgeLogic SDSA3650 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 SDSA3650 and SDSA3650D warranty is 2 years.



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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 | Plastic |
| NEMA Rating | NEMA Type 4X |
| Connection Method | #12 AWG |
| Weight | 1.8 lbs |
| Mounting Method | Close Nipped, Back Mounted |
| Operating Altitude | Sea Level-12,000' (3,658 m) |
| Storage Temperature | -40° F to +149° F (-40° C to +65° C) |
| Operating Temperature | -40° F to +149° F (-40° C to +65° C) |

Diagnostics

Green status LED

Listings and Performance

cULus Listed per UL 1449 3rd edition Type 1 SPD, UL 1283, CSA C22.2 No. 8-M1986, C233.1-87
CE marked (IEC 61643-11)

The SDSA3650 is a four-wire surge suppressor designed for use on all solidly grounded systems up to 600Y/347 Vac. The SDSA3650D is a three-wire surge suppressor designed for delta applications up to 600 Vac.

| Voltage | Surge Current per Phase | Modes of Protection | Configuration | Model Number | MCOV | SCCR | I _n | VPR | | | |
|-------------------------|-------------------------|---------------------|---------------|--------------|--------------------|-------|----------------|-------|-----|-------|-----|
| | | | | | | | | L-N | L-G | L-L | N-G |
| 600Y/347V ¹ | 40kA | 6 | 3 Ø, 4-wire | SDSA3650 | 750V L-N 1500V L-L | 200kA | 10kA | 2500V | N/A | 4000V | N/A |
| 600V Delta ² | 40kA | 3 | 3 Ø, 3-wire | SDSA3650D | 1500V L-L | 200kA | 10kA | N/A | N/A | 4000V | N/A |

¹ Applicable voltages: 120/240V, 208Y/120V, 380Y/220V, 400Y/230V, 480Y/277V, 600Y/347V

² Applicable voltages: 240V Delta, 480V Delta, 600V Delta

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Schneider Electric USA, Inc. 1751 S. 4800 W., Salt Lake City, UT 84104, USA Telephone: (801)-977-9009 Fax: (801)-977-0200 www.surgeLogic.com

Document Number 9990-0120B

March 2011 bw

This document provided by Barr-Thorp Electric Co., Inc. 800-473-9123 www.barr-thorp.com