

# 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).

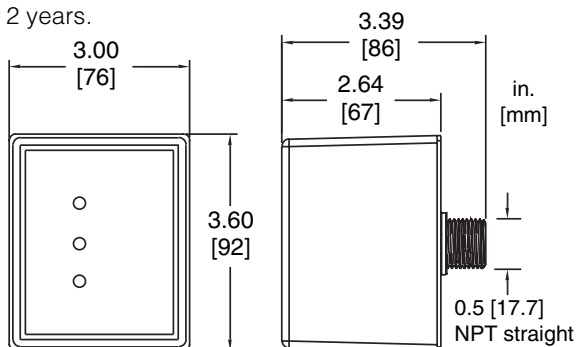
SDSA3650 SPDs provide surge suppression for equipment from severe transient activity. Each metal oxide varistor (MOV) is individually fused and the products carry a NEMA Type 4X rating suitable for installing indoors, outdoors, or in other harsh environments.

### 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 Nippled, 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 <sub>n</sub>	VPR			
								L-N	L-G	L-L	N-G
600Y/347V <sup>1</sup>	40kA	6	3 Ø, 4-wire	SDSA3650	750V L-N 1500V L-L	200kA	10kA	2500V	N/A	4000V	N/A
600V Delta <sup>2</sup>	40kA	3	3 Ø, 3-wire	SDSA3650D	1500V L-L	200kA	10kA	N/A	N/A	4000V	N/A

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

<sup>2</sup> Applicable voltages: 240V Delta, 480V Delta, 600V Delta

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