

# Serial Lines

## Surge Protective Devices

### for Signal & Communication



#### Introduction

Serial Lines RS485/RS232 surge suppressor is designed according to IEC 61643-21; GB 18802.21; YD/T 1542, used at LPZ 2-3 boundary, provide surge protection for RS485, RS422 or RS232 signal devices from damages, such as surge voltages, operating over voltages, electrostatic discharging and so on.

#### Applications

Serial Lines RS485/RS232 surge suppressor is designed according to IEC 61643-21; GB 18802.21; YD/T 1542, used at LPZ 2-3 boundary, provide surge protection for RS485, RS422 or RS232 signal devices from damages, such as surge voltages, operating over voltages, electrostatic discharging and so on.

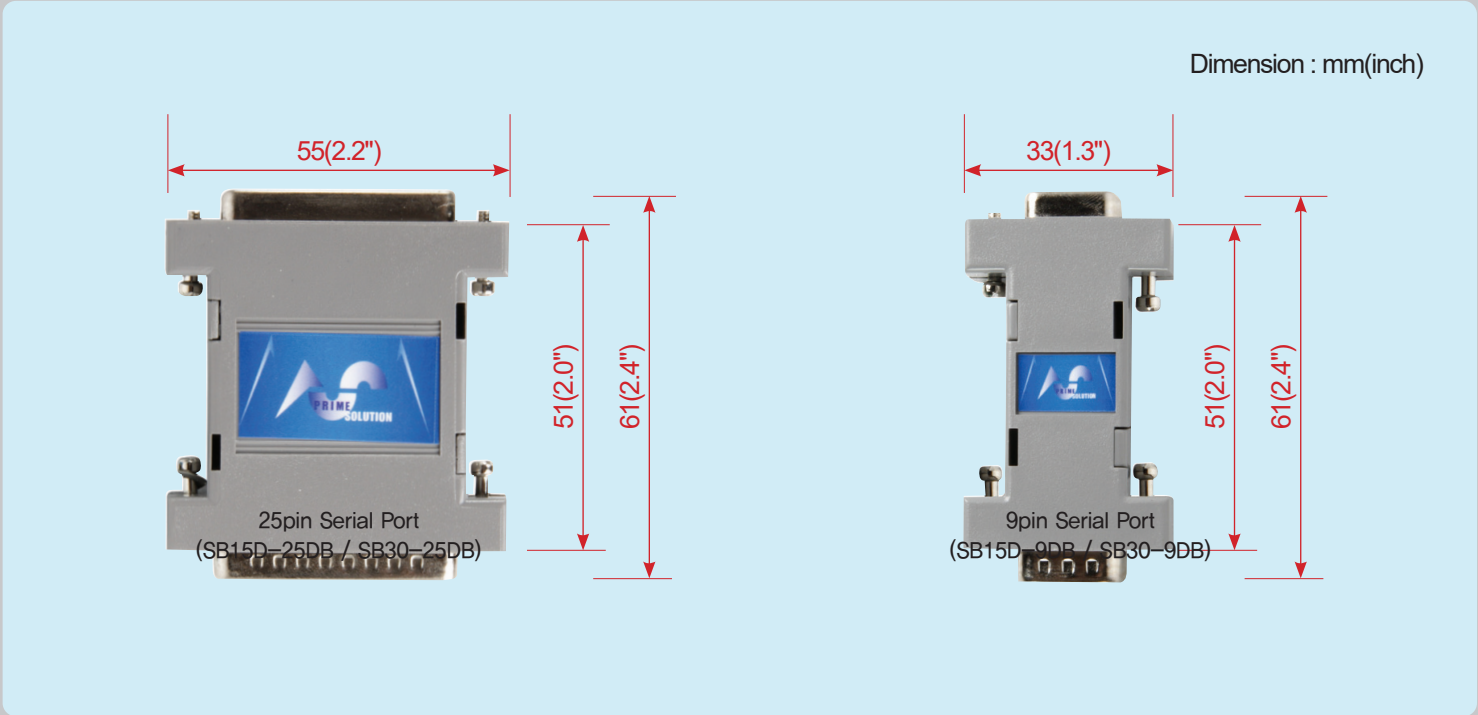
#### Features

- thermally protected Metal Oxide Varistor (MOV) technology to safely shunt overvoltages to ground while its thermal disconnect capability eliminates the need for additional fusing
- 200kA SCCR meets the highest NEC requirements
- Models available to meet the overvoltage protection needs of Wye and Delta electrical systems from 208 to 600 volts, 3-phase
- SB+ Series has the highest nominal discharge current ( $I_n$ ) of 20kA per UL 1449 4th Edition. This rating indicates the SPD's ability to handle a number of large-magnitude surges over a short period of time and remain operational.
- 120kA to 400kA surge current capacity ( $I_{max}$ ) ratings meet the needs of larger switchgear and power distribution panel applications
- Optional Form C contact relay, EMI/RFI filtering and surge counter available to meet additional system requirements.
- 200kA Short-Circuit Current Rating (SCCR)

Specification

	SB15D-25DB	SB15D-9DB	SB30D-25DB	SB30D-9DB
Line Application	RS422 / RS485		R232	
Connection Method	DB25 M/FM	DB9 M/FM	DB25 M/FM	DB9 M/FM
Operating Temperature	- 40°F ~ +158°F			
Storage Temperature	- 40°F ~ +158°F			
Max. Surge Current Capacity	3 kA / Line			
Protection Mode	Line to Ground			
MCOV	15 V		30 V	
Product Weight(lb/g)	0.121 lb / 55 g	0.066 lb / 30 g	0.121 lb / 55 g	0.072 lb / 33 g

Dimension



*memo*



## HEAD OFFICE

3960 West Point Loma Blvd. Ste. H San Diego, CA 92110

**John Park** Director / Technical Support Dept.

Tel : +1-858,282,0901

[johnpark@primepowersolutions.com](mailto:johnpark@primepowersolutions.com)

[www.PrimePowerSolutions.com](http://www.PrimePowerSolutions.com)