BB-485FPP

RS-422/485 Surge Suppressor – with fuse protection

Features

- Protects RS-422 or RS-485 ports
- 600W serial circuit surge suppression
- 125 mA fast-acting PCB fuses
- Simple in-line installation
- One time use, disposable unit
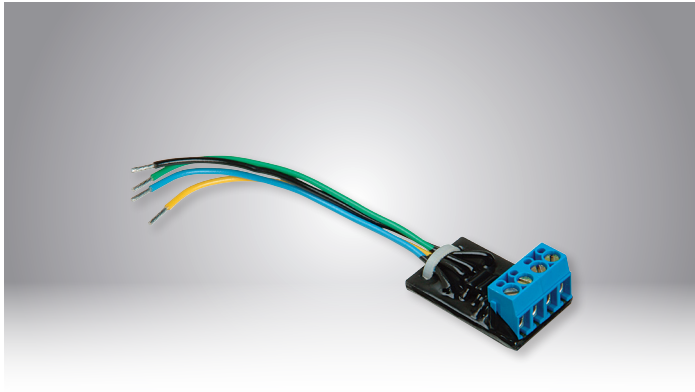
Introduction

Single stage surge protectors offer a high degree of protection with Transient Voltage Suppressors (TVS) for each protected line.

Model BB-485FPP has 600W Transient Voltage Suppressors to clamp voltages without adversely affecting normal RS-422/485 data. Fast-acting 125 mA PCB fuses to protect RS-422 and RS-485 circuits against transient voltages that are too long or too large for normal suppression.

The BB-485FPP has 4 wires and terminal blocks for easy installation inline between the data cables – as close as possible to the serial port. Once a fuse is blown, the unit should be disposed and replaced.

Ordering Information

Model No.	Protection	Connectors	Lines Protected
BB-485FPP	RS-422/485 (fused, disposable)	Terminal Blocks, (4) Wire Leads	(4) RS-422/485 Data Lines

Accessories – Sold Separately

BB-485HESP – RS-485 surge protector
BB-485OP – RS-485 optical isolator

Specifications

Serial Technology	
Connectors	Terminal blocks RS-422/485: (4) wire leads
Surge Suppression	
Surge Suppressors	7.5 Volts, bi-directional avalanche breakdown device
Clamping Voltage	< 1 x 10 -12 seconds, theoretical
Fuses	125 mA fast-acting type
Peak Power	500 Watts dissipation
Series Resistance	7.2 Ohms, maximum
Capacitance	6,000 Picofarads, maximum
Installation	In-line
Weight	22.7 gm (0.05 lb)
Environmental	
Operating Temperature	0 to +70 °C (+32 to +185 °F)
Storage Temperature	-40 to +85 °C (-40 to +185 °F)
Operating Humidity	0 to 95% ,non-condensing
Regulatory – Approvals / Standards / Directives	
FCC Part 15, CISPR, EN 55022: 2010 + AC Class A Emissions	
2011/65/EU amended by (EU) 2015/863 Reduction of Hazardous Substances Directive (RoHS)	
IEC Standards - EN 61000-6-1 - Generic Standards for Residential, Commercial and Light-Industrial Environments	

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