B&B ELECTRONICS

Model: 232DSP

RS-232 Surge Protector CE

Overview

B&B Electronics' Model 232DSP protects RS-232 ports from damage caused by large voltage peaks from lightning and other power problems. The Surge Protector uses 600W Transient Voltage Suppressors to protect pins 2 through 8 and pin 20. It has one DB-25 male and one DB-25 female connector with all 25 pins passing straight through. The TVSs are connected between the ground screw and pins 2,3,4,5,6,7,8, and 20. The 232DSP will suppress any voltage levels above 12 volts without affecting the normal RS-232 data.

The 232DSP is placed inline, between the data cable and the RS-232 port, as close to the protected port as possible. The ground screw must be connected to earth ground. A minimum of 12 AWG copper wire is recommended. B&B's Model CU15B is 1.5 x 0.016 in (38 x .25 mm) copper cut to length for ground connections that are longer than a few feet (one meter). If this device is not properly grounded it will not protect RS-232 lines.

Specifications

Clamping Voltage:	12 volts
Peak Pulse Power:	600 watts @ 1 msec.
Response Time:	less than 1 picosecond
Typical Capacitance:	200 picofarads
Ground Screw:	size 10#

DECLARATION OF CONFORMITY

Manufacturer's Name:	B&B Electronics Manufacturing Company
Manufacturer's Address:	P.O. Box 1040 707 Dayton Road Ottawa, IL 61350 USA
Model Number:	232DSP
Description:	RS-232 Surge Protector
Type:	Light industrial ITE equipment
Application of Council Directive:	89/336/EEC
Standards:	EN 50082-1 EN 61000 (-4-2, -4-3, -4-4, -4-6)

Robert M. Paratore, Director of Engineering

CE

PRODUCT INFORMATION

B&B ELECTRONICS

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