

# SP603A

## 4 WIRE TERM. STRIP SURGE PROT. RS422/10 BASE T

### FUNCTIONAL NOTES:

THIS SERIES OF PROTECTORS ARE DESIGNED TO PROTECT SENSITIVE COMMUNICATIONS EQUIPMENT AGAINST DAMAGING OVERVOLTAGES INDUCED INTO THE EQUIPMENT FROM THE SIGNAL LINES OR CHASSIS GROUND. THIS PROTECTOR IS DESIGNED FOR RS422, RS423, RS485 AND ETHERNET 10 BASE T APPLICATIONS OR ANY OTHER DATA PROTOCOL WITH LESS THAN +/-6 VOLTS DRIVE VOLTAGE.

STATE-OF-THE-ART, LOW CAPACITANCE, AVALANCHE DIODE TECHNOLOGY. BALANCED, SELF RESETTING, CIRCUITRY FOR HIGH SPEED, HIGH ENERGY PROTECTION. LOW SHUNT CAPACITANCE TO REDUCE SIGNAL LOSS. WIDE RANGE OF APPLICATIONS FOR MORE VERSATILITY.

### PACKAGE INCLUDES:

1. 4 WIRE, TERMINAL STRIP SURGE PROTECTOR FOR RS422,RS423,RS485 AND ETHERNET 10 BASE T.
2. VELCRO BUTTONS FOR MOUNTING
3. MANUAL

### PRODUCT SPECIFICATIONS:

<b>Physical</b>	
<b>Weight</b>	0.1LB (<.1KG)
<b>Dimensions</b>	0.9"H X 1.5"W X 3.6"D (2.3 X 3.8 X 9.1 CM)
<b>Connectors</b>	2 X 4 WIRE TERMINAL STRIP (LATCHING TYPE)
<b>Rated Current</b>	750 AMPS
<b>Enclosure</b>	ABS FIRE RESISTANT PLASTIC
<b>Maximum Data Rate</b>	10 MBPS
<b>Interface Type</b>	RS422
<b>Response Time</b>	LESS THAN 10 NANOSECONDS
<b>Clamp Voltage</b>	7.5 VOLTS
<b>Series Resistance</b>	NONE
<b>Wires Protected</b>	4 WIRE OR 2 PAIRS
<b>Literature</b>	
<b>Manual Available?</b>	YES
<b>Manual Date</b>	7/98
<b>Literature Comments</b>	REVISED

<b>Environmental</b>	
<b>Operating Temperature</b>	-50 TO +100C
<b>Operating Humidity</b>	0-100% NON-CONDENSING
<b>Storage Temperature</b>	SAME AS OPERATING AND UP TO 14,000 FT. ALTITUDE
<b>Agency Compliance</b>	
<b>IEEE</b>	
<b>UL #</b>	E181488 Secondary Protector for Communications Circuits.

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### **4 WIRE TERM. STRIP SURGE PROT. RS422/10 BASE T**

Status: Available

#### **Miscellaneous Notes**

MAXIMUM CAPACITANCE = <40pF

SUPPORTS 26AWG - 14AWG

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Status: Available

#### **Installation Procedures**

THE PROTECTOR MUST BE POSITIONED AS CLOSE AS POSSIBLE TO THE EQUIPMENT YOU WISH TO PROTECT. FOR BEST RESULTS, KEEP THE SIGNAL LINE AND GROUND WIRE LENGTH BETWEEN THE PROTECTOR AND COMMUNICATIONS EQUIPMENT AS SHORT AS POSSIBLE TO A MAXIMUM OF 12 INCHES LONG.

1. ATTACH WIRES BY INSERTING STRIPPED ENDS INTO TERMINAL STRIP.
2. USE SUPPLIED VELCRO BUTTONS TO MOUNT ON OR NEAR DEVICE YOU WISH TO PROTECT.

#### **Precautions**

THESE PROTECTORS ARE NEITHER DESIGNED NOR INTENDED TO BE USED AS PROTECTION

AGAINST A DIRECT LIGHTNING STRIKE TO A FACILITY.

SIGNAL LINES AND GROUND WIRE BETWEEN PROTECTOR AND EQUIPMENT MUST BE 12 INCHES OR LESS.