



Product Information for:

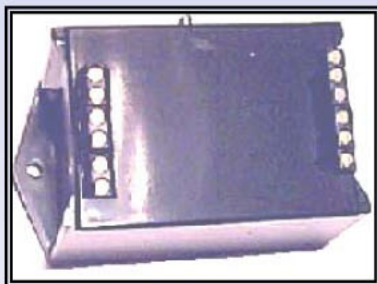
Model #

PSI CR5SG
Card Reader Power & Data Line

The PSI CR5SG data line surge suppressor incorporates state-of-the-art technology and provides multi-stage hybrid surge protection. The PSI CR5SG is designed to provide surge protection for card reader systems power, data, signal and control lines. The PSI CR5SG is tested to ANSI/IEEE B3 Impulse Standards, 900 times the normal UL 497B testing standards, this unit exceeds industrial grade surge protection without loading your sensitive card reader power, data, signal and control lines. The PSI CR5SG is ideal for surge protection of card reader and access control systems. The PSI CR5SG provides the highest level of surge protection available for all lines including the shield, ground and LED. The PSI CR5SG is self-restoring within ratings.

Specifications – Operating & Mechanical

Maximum Operating Voltage:	See Chart Below
Typical Leakage Current:	<5u Amps
Maximum Data Rate:	10Mhz
Operation Temperature:	-40 to +85 C
Connectors:	Dual Terminal Blocks
Lines Protected:	6 Lines (3 Pair)
Dimensions:	Length: 3¼" Width: 2¼" Height: 1½"



Specifications – Electronic

Maximum Surge Current (8x20us):	3,000 Amps
Maximum Surge Voltage (1.2x50us):	6,000 Volts
Capacitance:	<250 pf
Clamping Performance	See Chart Below
Clamping Response Time:	<5 Nanoseconds
Voltage Sensitive:	Non-Load Bearing

Model Number	Maximum Signal Voltage	Clamping Voltage Maximum	Clamping Performance Tested to ANSI/IEEE B-3
Model PSI CR5SG-30	28	30	39 Volts
Model PSI CR5SG-15	14	15	21 Volts

* Custom units are available without a special engineering or quantity up-charge.

Power & Systems Innovations, Inc.

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Warranty

PSI surge protectors have a Lifetime Product Warranty. Please see warranty statement for complete product warranty information.