



TRANSTECTOR



smiths

C&S Protection
The Future Is Here



About Transtector

Founded in 1967, Transtector Systems is a global provider of power quality solutions including AC, DC and Data/Signal Surge Protection, Lightning Protection, Communications Power Cabinets, Electromagnetic Pulse (EMP) Protection and Engineering Services. Our commitment to customers is proven through our high-quality products, expertise, innovation and responsiveness.

Transtector has designed silicon surge protection for rail to increase systems performance, decrease maintenance costs, improve profitability, enhance revenue and ensure your safety. The future of C&S protection is here!

What is Different About Transtector's C&S Protection Products?

Your C&S network is vital to safe and profitable rail operation. Your rail signaling systems will experience unpredictable and potentially destructive power quality conditions. Incidents such as lightning and transients may cost your business in terms of maintenance time, system replacement, or worst of all, customer dissatisfaction. Spark gap technology, developed in the 1800s, is unreliable for today's C&S equipment.



Transtector pioneered the use of Silicon Avalanche Suppressor Diode (SASD) technology for surge protection. Silicon protection provides superior reliability to spark gap arrestors or alternative technologies. The technical benefits of silicon surge protection include:

- Low Voltage Protection Level
- Quick Response Time
- Disturbance-Free Operation
- Long Life Expectancy
- High Reliability

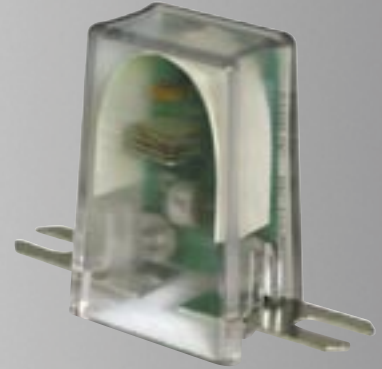
Your success requires a superior protection solution provided by Transtector. Let us help keep your trains moving!

Advanced Silicon C&S Surge Protection

Transtector Products

SXRR Series High Speed, High Current Silicon Surge Protector Designed for All C&S Applications, Protecting AC and Data Circuits. Clips Onto Standard AAR Terminals.

SXRR Model	12	90	180
Service Voltage	12V	90V	180V
Protection Levels	290V	310V	450V
Current Ratings	20kA @ 8/20µs		



MCP Series AC Power Silicon Surge Protection for 120V and 240V Applications.

MCP Model	120SA	120TA	120TA-5M	120TA-10M	240SA	120TA-MOV	120W Silicon	120W MOV
Service Voltage	120V	120/240V	120/240V	120/240V	240V	120/240V	120/208V	120/208V
Protection Levels	>330kV	>330kV	>330kV	>330kV	>600kV	>500kV	>330kV	>500kV
Current Ratings	≥ 6kV 3kA	≥ 6kV 3kA	≥ 10kV 5kA	≥ 20kV 10kA	≥ 6kV 3kA	≥ 20kV 10kA	≥ 20kV 10kA	≥ 20kV 10kA
IEEE Ratings	B3/C1	B3/C1	C2	C3	B3/C1	C3	C3	C3

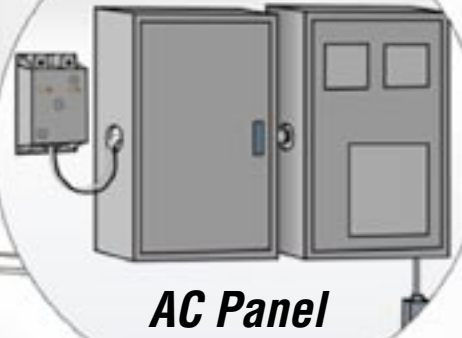


TSJ Series Data/Signal Silicon Surge Protection for Dial-Up, Low-Voltage, High-Speed Data, Power Over Ethernet (POE) and T1/E1 Applications.

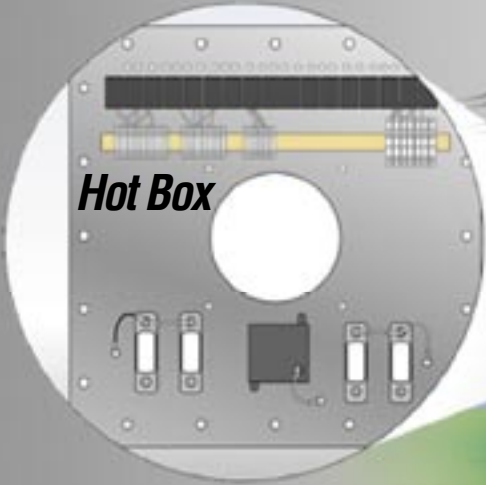
TSJ Model	6A	8A	48	48L	48CLT	48CLT-GT	10/100BT	DS3	POE-24	POE-48
Service Voltage	160V	160V	160V	12V	12V	12V	12V	12V	Signal-12V DC Power-24V	Signal-12V DC Power-48V
Protection Levels	200V	200V	200V	16V	16V	250V @ 10kA	16V	25V @ 140A	Signal-25V DC Power-50V	Signal-25V DC Power-100V
Connector	RJ-11 – protects 1 transmit/receive pair		RJ-48 – protects 2 wire pairs on 1,2 & 4,5		RJ-48 & Hardwire – protects 2 wire pairs on 1,2 & 4,5	RJ-48C/4 – protects pins 1,2 & 4,5	RJ-45 – all 8 lines protected	Female BNC 2 places	RJ-45 – all 8 lines protected	

Hot Box Protection Solutions Customized and Existing Solutions for Hot Box Protection and Other Rail Applications are Available. Please Contact Us for More Information.

MCP Series

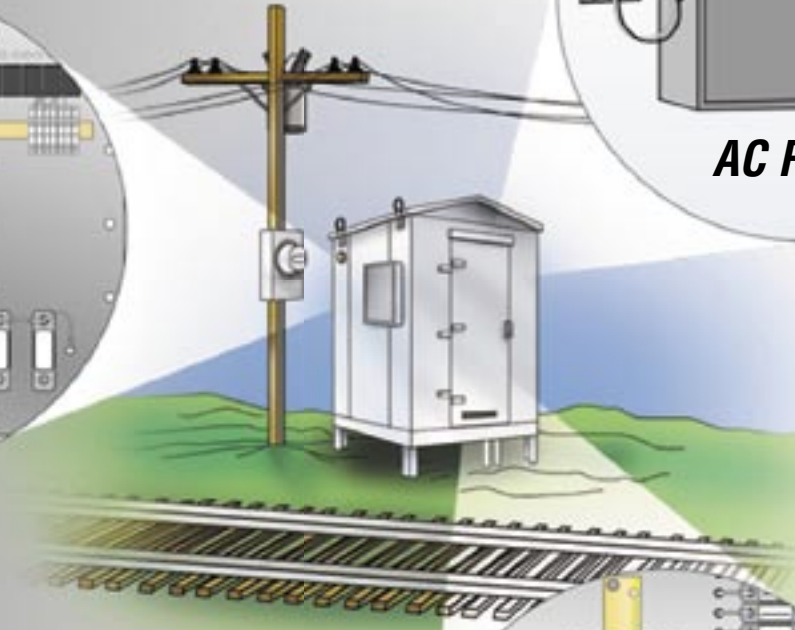


AC Panel

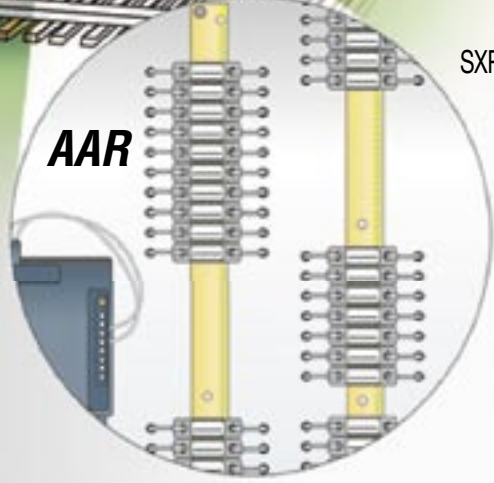


Hot Box

TSJ Series



AAR



SXRR Series

From AC Panels to AAR Terminals to Hot Box Equipment:
Transtector Can Protect You! The Future is Here!
Call Us To Learn More!

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