

Benefits of Using GE TR Series Surge Protective Devices (SPD)

	Standard	<i>with</i> Enhanced Thermal Protection
• Maximum Surge Current Third-Party Tested		
25–50kA per mode (50-100kA per phase), maximum single impulse ratings	✓	
65–300kA per mode (130–600kA per phase), maximum single impulse ratings	✓	✓
All mode protection L-N, L-G, N-G, L-L	✓	✓
No “weak link” – entire surge path tested to ratings	✓	✓
UL 1449 200kAIC surge rated fuses (VSP100s)	✓	
UL 1449 Short Circuit Current Ratings up to 200kAIC	✓	✓
• Robust MOV Technology		
Industrial grade 48mm MOVs	✓	
Industrial grade 40mm thermally protected MOVs		✓
No “stacked” ratings of small electronic grade MOV arrays	✓	✓
• Patented Thermal Fuse Technology		
Patent 6,282,073 additional safety beyond UL requirements	✓	
MOV with integrated thermal protection and integral arc shield		✓
• Outstanding Longevity Characteristics		
TR7000 Series - 20,000 ANSI/IEEE Category C3 impulses per mode	✓	✓
TR5000 Series - Up to 5,000 ANSI/IEEE Category C3 impulses per mode	✓	✓
TR7000 & 5000 Series – 5,000 ANSI/IEEE 500V, 2kA 10x1000µs longwave impulses per mode	✓	✓
• Superlative Surge Clamping Performance		
UL 1449 3 rd edition Voltage Protection Ratings (VPR) for all levels of electrical distribution system including service entrance, distribution and point of use locations	✓	✓
• Compact and Flexible Wall Mounted Design		
Smaller size and weight makes easier installation in space constrained electrical rooms, heavy gauge steel enclosure, painted and stainless enclosure designs, surface and flush configurations with optional fiberglass enclosure with NEMA 4X rating	✓	✓
Must be connected to a dedicated circuit breaker rated 60A or less	✓	
Can connect directly to Bus without the need for a breaker		✓

