

TC SERIES HARD WIRED VERSION

Provides surge protection against harmful transient voltages that exceed the nominal operating voltage of AC and DC critical dedicated control loads.

Ideal for protecting the PLC's, Building management systems, OEM & systems integration controls, Telecommunication rectifiers, and other microprocessor-based loads

DESIGN FEATURES

- Compact, fail-safe design allows flexible installation into electrical/control panels
- Individually fused MOV Technology for maximum safety
- Solid-state all mode protection
- Optional: Enhanced Transient Filter (ETF) to remove low level transients and noise
- 15-year Unlimited Free Replacement Warranty
- 10 Amp internal fuse: No external breaker is required

PERFORMANCE

- Surge currents per phase (Imax): 15Amp-35kA & 30Amp-50kA
- Regulatory Listings: ETL recognized component under UL 1449 3rd Edition and under UL 1283 as an electromagnetic filter.; CE Marked ANSI/IEEE C62.41, C62.45; Filter Mil Spec Standard 220B
- Discreet All mode protection: L-G, L-N, N-G, OR L1-G, L2-G, and L1-L2
- Green LED indicator to show product is operational
- 100kAIC short circuit current rating with a 15 amp max fuse
- Operating frequency: 47-64Hz; Operating temperature: -40C to +70C
- Non-condensing Humidity: 5% to 95%
- Connection Method: Hard-wired via #14 AWG
- Enclosure: ABS Plastic UL94-5VA
- Mounting Method: Screw down
- Size: 4.5"W x 3.38"H x 1.85 "D
- Weight: 1lb/.45kg
(Option: to order with Enhanced Transient Filter add F to suffix of model)



TC SERIES PERFORMANCE SPECIFICATIONS

ANSI/IEEE C62.41.1-2002, C62.41.2-2002, & C62.45-2002 Measured Limited Voltage

Model Number	Modes	Measured Limiting Voltage		
		A1 Ringwave 2kV/67A	A3 Ringwave 6kV/200A	B3/C1 Impulse Wave 6kV/3kA
GS-TC024-035-FSE-F GS-TC024-050-FSE-F	L - N L - G N - G	55 50 50	85 85 85	175 170 170
GS-TC048-035-FSE-F GS-TC048-050-FSE-F	L - N L - G N - G	55 50 50	120 110 110	200 195 195
GS-TC120-035-FSE-F GS-TC120-050-FSE-F	L - N L - G N - G	90 55 55	200 130 130	480 435 435
GS-TC1205-035-FSE-F GS-TC1205-050-FSE-F	L - N L - G N - G	90 55 55	200 130 130	480 435 435
GS-TC240-035-FSE-F GS-TC240-050-FSE-F	L - N L - G N - G	180 65 65	325 250 250	780 720 720

MODEL SELECTION

- XXX = 24, 48, 120, 240 Voltage
- YYY = 035 or 050 Surge Capacity
- FSE = 10 Amp internal fuse
- F = Enhanced transient filter



We are constantly seeking to improve our products and specifications are subject to change at any time.