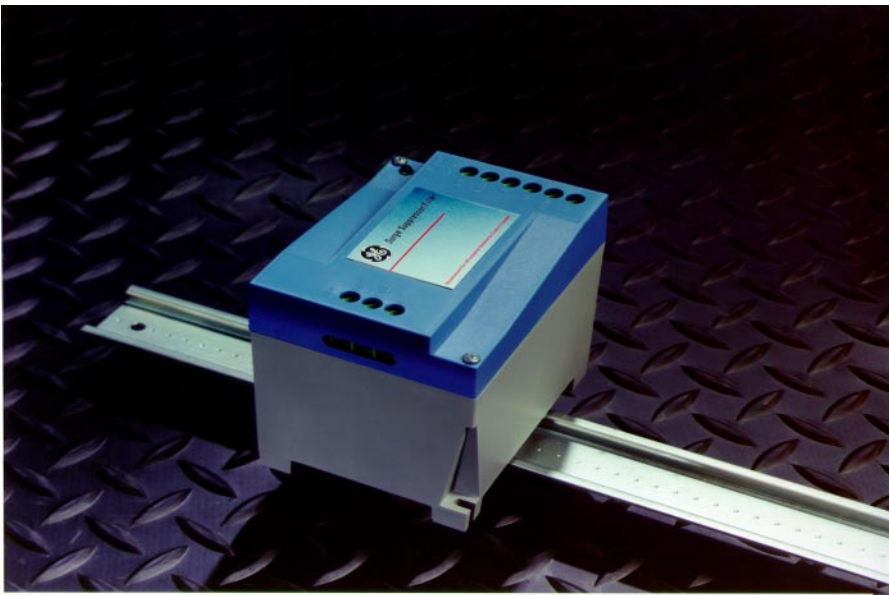




Critical Load Filter



- *High frequency noise filter / Transient Voltage Surge Suppressor (TVSS)*
- *Series connected device for critical load applications. Zero lead length for optimal performance*
- *Multi-staged design, hybrid clamping network and active tracking technology*
- *UL-1449, Second Edition, UL-1283, cUL and CE*
- *Protection in L-N, L-G and N-G modes*
- *DIN or flange mounted*
- *Standard LED status indication and Form C Contacts*
- *10 year warranty*

Manufactured for GE Industrial Systems by Control Concepts.

Critical Load Filter

This is a series connected TVSS and noise filter specifically designed for critical load applications drawing up to 20 amps of continuous current. The series connection eliminates "lead-length" and provides the best protection possible. Typical applications include micro-processor based products, including industrial PLCs, OEM applications and motion control systems. The DIN or flange mounting options are a perfect solution for adding protection to existing equipment or adding protection to an OEM product.

Selection Guide:

VOLTAGE*	CONTINUOUS CURRENT	MODEL
120V	3 Amps	GEF-103
120V	5 Amps	GEF-105
120V	10 Amps	GEF-110
120V	20 Amps	GEF-120

* All voltage configurations are single phase - 2 wire + gnd.

UL 1449 Classification	
120V Normal Mode	330 Volts
120V Common Mode	400 Volts
240V Normal Mode	700 Volts
240V Common Mode	800 Volts

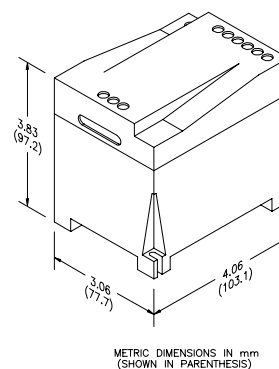
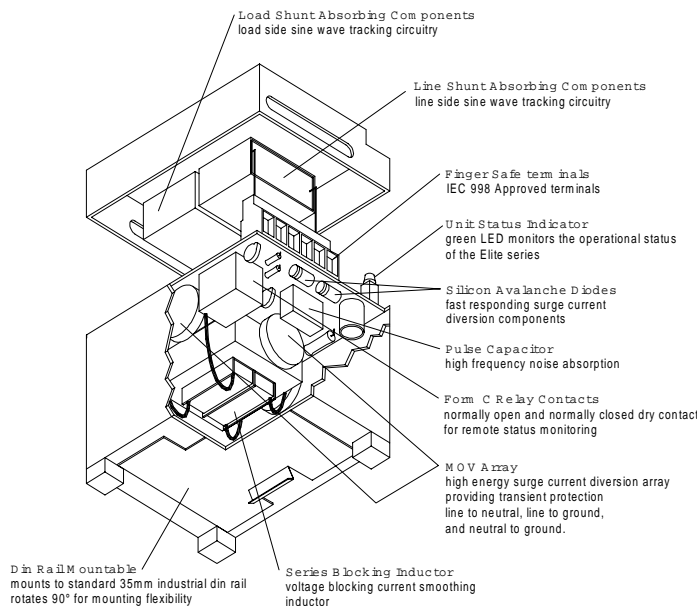
Peak Surge Current Capability (8 x 20 us)	
Line to Neutral	15,000 Amps
Line to Ground	15,000 Amps
Neutral to Ground	15,000 Amps

Frequency Response (Forward-Reverse)	
Normal Mode	100 kHz to 50 MHz - 60 dB Min
Common Mode	5 MHz to 50 MHz - 60 dB Min

VOLTAGE*	CONTINUOUS CURRENT	MODEL
240V	3 Amps	GEF-203
240V	5 Amps	GEF-205
240V	10 Amps	GEF-210
240V	20 Amps	GEF-220

Typical Category A Ringwave (6 kV, 200A, 100 kHz) Normal Mode/Common Mode	
3 Amp	1V/300V
5 Amp	0.7V/292V
10 Amp	0.7V/300V
20 Amp	0.7V/300V

Typical Category B Ringwave (6kV, 500A, 100kHz) Normal Mode/Common Mode	
3 Amp	178V/300V
5 Amp	162V/291V
10 Amp	153V/300V
20 Amp	200V/300V



GE Industrial Systems

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