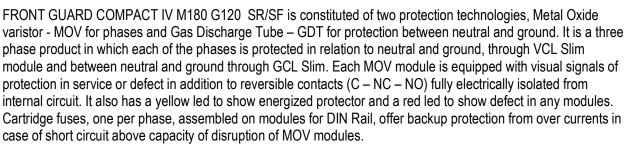
FRONT GUARD COMPACT IV

Protection against transient electric surges for electro electronic equipment connected to the electric power supply.

- Surge current capacity of 180kA per phase
- Protection in all modes, L-G, L-N, L-L and N-G
- MOV technology for protection between L-G and L-N and GDT technology between N-G
- Backup fuse inside
- Event counter
- Meets with UL 1449 2nd edition.





It is assembled in carbon steel box with powder electrostatic painting, protection level IP65 and can be installed visible, embedded or in open air.

An Event Counter (EC) counts the number of times the equipment has been used. The event counter is self-fed by a 3Vdc internal battery, has permanent memory and recording is shown through a 7 digit LCD.

Technical features

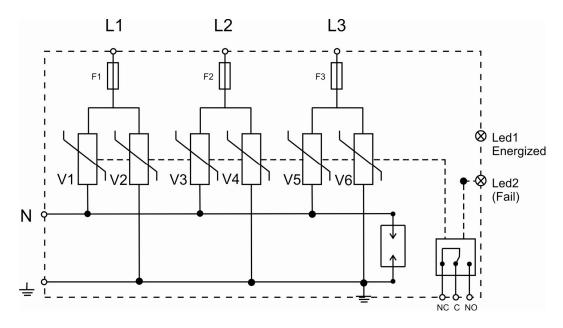
Technical Features	127/220V three phase	220/380V three phase			
Electrical System	Three phase 03 phases+ N + T				
Frequency	5	50/60Hz			
Protection Technology (Phases)	VCL Slim (Metal Oxide Va	VCL Slim (Metal Oxide Varistor – MOV) –UL Recognized			
Protection Technology (Neutral-Ground)	GCL Slim – (Gas Discharge Tube)				
Rated Service Voltage (RMS)	127 Volts (Phase/Neutral)	220 Volts (Phase/Neutral)			
Protected conductors	04 (four) L-N, L-L, L-G, N-G)				
Component response time (theory)	VCL Slim - MOV: <1 nanosecond GCL Slim - GDT: <100 nanoseconds				
Maximum Continuous Operating Voltage	175V (Phase/Neutral)	275V (Phase/Neutral)			
Suppressed Voltage Rating (UL 1449)	330V	600V			
Maximum Surge Current (8/20µs per conductor)	MOV: 180kA GDT: 120kA				
Energy Absorption Capacity	MOV: 5000 Joules				
Max. values for remote supervision contact	10A @ 120Vac o 10A @ 24Vdc				
Backup Fuses	50 A gL				
Phase and Neutral Connections	Terminal for cable connection up to 35mm2				
Remote Supervision Connection	Terminals and screw for cable connection up to 2,5mm2				
Enclosure	Assembled in a steel case with polyester powder electrostatic coat and IP65 protection degree				
Operating Temperature		-30°C to +85°C			
Dimension	Length: 320mm Wid	th: 170mm Height:380mm			
Weight	13 Kg				

TECHNICAL DATA					
FRONT GUARD	COMPACT IV	April 2006	Revision:	Page: 1/2	CLAMPER°
Website: www.clamper.com.br	SAC: 0800 7030 555	Tel: 55 31 3689 9500	Fax.: 55 31	3689 9501	E-mail: suporte@clamper.com.br

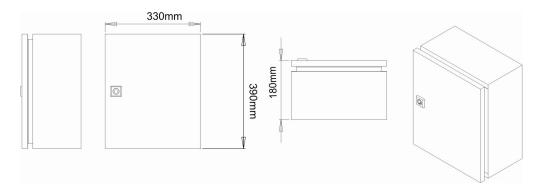


Equipment to be protected

Equivalent Electrical Circuit



Mechanical Drawing



TECHNICAL DATA						
	FRONT GUARD	COMPACT IV	April 2006	Revision:	Page: 2/2	CLAMPER°
	Website: www.clamper.com.br	sac: 0800 7030 555	Tel: 55 31 3689 9500	Fax.: 55 31	3689 9501	E-mail: suporte@clamper.com.br