



ST-MVx3N7200

80/120/160 kA Per Mode

Medium Voltage AC Power Panel Units / Secondary Arrester

The Sinetamer Industrial Grade, Medium Voltage Secondary Arrester TVSS models are specifically designed for heavy duty applications including: Chemical & Pharmaceutical Plants, Waste & H₂O Treatment Facilities, Mining, Petroleum & Oil Refineries as well as other Large Scale, Automated, Heavy Commercial or Industrial Manufacturing Production Lines.

General

Protected Modes:	Directly connected / Bidirectional, True, ALL-Mode (Normal & Common Mode) suppression componentry
Technology:	Field proven, Multi-parallelized, Thermally Fused All solid-state, Bipolar, Auto-restoring, MOV suppression arrays
Withstand:	High Energy Exposure ANSI/IEEE C62.41.1 & .2-2002 "C3" (20 kV x 10 kA) Location/Category Rating
Connection Means:	5 ft (60 in) of #6 AWG, 7.5 kV cable, 4 conductors: L _A , L _B , L _C & Ground
Mechanical Interface:	2" diameter threaded hub & external mounting flanges
Environmental:	NEMA 12 (Standard), 4, 4X, Steel & Stainless (XS) enclosures (Optional)
Standard Size:	16" x 14" x 6", (80 kA) 30" x 20" x 6" (120/160 kA)
Weight:	Weight is determined by models and options

Design & Performance

Peak Surge Capacity:	80 kA/Mode (160 kA/Phase PSC L-L, L-G)
	120 kA/Mode (240 kA/Phase PSC L-L, L-G)
	160 kA/Mode (320 kA/Phase PSC L-L, L-G)
Frequency:	47 – 420 Hz. (60 Hz. typical.)
Interrupt Means:	30 Amp. Ferraz A825X30E-1 line fusing required; (see model Installation Instructions)
Applications:	Multiple ANSI/IEEE C62.41.2 Location (Category A, B & C) & high energy suppression uses
Temperature Range:	-40° C to +80° C; (-40° F to +176° F)
% RH :	0 – 100% (non-condensing)

Quality & Safety

Manufacturer & Product Qualifications:	ISO-9001 NQA QMS
Assurance:	All models electrically quality checked at factory
Life Safety:	Safety Warning Labeling
Industry Recognition:	2004 & 2006 Frost & Sullivan Customer Value Enhancement Award



Key Features

- Discrete "All Mode" Circuitry: Directly Connected Protection Elements in "All Modes" (6 modes for 3 phase Delta circuits) as recommended by NEMA LS-1 and IEEE Std. 1100-2005
- 5 Year Free Replacement Warranty
- Circuit Encapsulation
- Multistage, Optimal Response Circuitry
- Variety of enclosure types
- Service Entrance, Distribution, And Individual Equipment protection
- Special order options available
- ISO 9001 Manufactured Quality



“Power Quality Is Our Business”

Mechanical and Options

Model Number x = 80/120/160	Nominal Operating Voltages	Maximum Continuous Operating Voltage
ST-MVx3N7200	Up to 7,200 Vrms	9,000 Vrms

Enclosure Options (Suffix):

M NEMA 12 Metal
W NEMA 4 Steel
XS 4X Stainless Steel
X NEMA 4X Composite
E1 Hub, wires out side of enclosure
 Other options may be available upon request.

Dimensions		
Model	80	120/160
A	16"	30"
B	14"	20"
C	6"	6"

