

# ST-CMV

40/80/160 kA Per Mode

"Our Name  
Says It All"

**SineTamer**  
"we ARE the standard"



## Key Features

- "All Mode" Circuitry: Directly Connected Protection Elements in "All Modes" (6 modes for 3 phase Delta circuits) as recommended by IEEE Std. 1100-2005
- 7 Year Free Replacement Warranty
- Circuit Encapsulation
- Individual Equipment protection
- ISO 9001 Manufactured Quality

The Sinetamer® Industrial Grade, Medium Voltage Secondary Arrester SPD models are specifically designed for heavy duty applications including: Chemical & Pharmaceutical Plants, Waste & H<sub>2</sub>O Treatment Facilities, Mining, Petroleum & Oil Refineries as well as other Large Scale, Automated, Heavy Commercial or Industrial Manufacturing Production Lines.

<b>Protected Modes:</b>	Directly connected / Bidirectional, ALL-Mode (Normal & Common Mode) suppression componentry
<b>Technology:</b>	Field proven, Multi-parallelized, Thermally Fused All solid-state, Bipolar, Auto-restoring, MOV suppression arrays
<b>Withstand:</b>	High Energy Exposure ANSI/IEEE C62.41.1 & .2-2002 "C3" (20 kV x 10 kA) Location/Category Rating
<b>Connection Means:</b>	( Non-Fused Option ) 5 ft (60 in) of #6 AWG, 7.5 kV cable, (Fused Option ) Non external copper lugs capable of holding up to #0 wire. 4 conductors: L <sub>A</sub> , L <sub>B</sub> , L <sub>C</sub> & Ground
<b>Mechanical Interface:</b>	1-1/4" diameter threaded hub & external mounting flanges
<b>Environmental:</b>	NEMA 4X, Composite
<b>Standard Size:</b>	Sized determined by options ordered.
<b>Weight:</b>	Weight is determined by models and options
<b>Peak Surge Capacity:</b>	<div>40/80/160 kA/Mode (L-L) &amp; 80/160/320 kA/Mode (L-G)</div>
<b>Frequency:</b>	47 – 420 Hz (60 Hz typical)
<b>Interrupt Means:</b>	5 Amp Cooper Bussman 7.2 AMWN A5.0E line fusing required; (see model Installation Instructions)
<b>Interrupt Rating:</b>	50 kA
<b>Applications:</b>	Multiple ANSI/IEEE C62.41.2 Location (Category A, B & C) & high energy suppression uses
<b>Temperature Range:</b>	-40° C to +80° C; (-40° F to +176° F)
<b>% RH :</b>	0 – 100 % (non-condensing)
<b>Manufacturer Qualifications:</b>	ISO-9001 NQA QMS
<b>Assurance:</b>	All models electrically quality checked at factory
<b>Life Safety:</b>	Safety Warning Labeling
<b>Industry Recognition:</b>	2004/2006 Frost & Sullivan Customer Value Enhancement Award



Model Number x = 40/80/160	Nominal Operating Voltages	Maximum Continuous Operating Voltage
ST-CMVx3N1000	Up to 1,000 Vrms	1,300 Vrms
ST-CMVx3N1500	Up to 1,500 Vrms	1,850 Vrms
ST-CMVx3N2000	Up to 2,000 Vrms	2,550 Vrms
ST-CMVx3N2500	Up to 2,500 Vrms	3,000 Vrms
ST-CMVx3N3000	Up to 3,000 Vrms	3,750 Vrms
ST-CMVx3N3500	Up to 3,500 Vrms	4,550 Vrms
ST-CMVx3N4160	Up to 4,160 Vrms	5,200 Vrms
ST-CMVx3N7200	Up to 7,200 Vrms	9,520 Vrms

Options
E26 = Mounting Assembly for Fused Unit
FX = Fused Module
FX1 = Fused module with Clear Lid

E26  
Fused Assembly



6-5/8"

