



### MOV BASE CONFIGURATION

System Voltage (50/60Hz)	240/120 x 208V	240V	400V*	480V
	Grounded High-Leg DELTA			
<b>Phase Configuration</b>	3-phase GHL DELTA	3-phase DELTA	3-phase DELTA	3-phase DELTA
<b>Model Number</b> (MOV-based product)	SBM200-240/120-7A6†	SBM100-240-5A9†	SBM100-400-5A9†	SBM100-480-5A9†
<b>Single-Pulse Surge Current Capacity</b>				
<b>Per Phase</b>	200kA	100kA	100kA	100kA
<b>Per Mode</b>				
Line-to-Neutral	100kA	n/a	n/a	n/a
Line-to-Ground	100kA	100kA	100kA	100kA
Neutral-to-Ground	100kA	n/a	n/a	n/a
Line-to-Line	100kA	100kA	100kA	100kA
<b>Varistor Maximum Continuous Operating Voltage (MCOV)</b>	150x300 <sup>1</sup>	300/300 <sup>3</sup>	460/600 <sup>3</sup>	550/640 <sup>3</sup>
<b>Repetitive Surge-Current Capacity</b> (20kV / 10kA)	2500	2500	2500	2500
<b>UL 1449 Let-Through Voltage Rating</b>				
Line-to-Neutral	500x800 <sup>2</sup>	n/a	n/a	n/a
Line-to-Ground	500x900 <sup>2</sup>	900	1500	1800
Neutral-to-Ground	600	n/a	n/a	n/a
Line-to-Line	800x1500 <sup>2</sup>	800	1500	1800
<b>Additional Clamping Voltages</b>				
<b>B3 Ringwave</b> (6kV / 500A)				
Line-to-Neutral	413x728 <sup>2</sup>	n/a	n/a	n/a
Line-to-Ground	424x733 <sup>2</sup>	733	1035	1253
Neutral-to-Ground	600	n/a	n/a	n/a
Line-to-Line	723x1344 <sup>2</sup>	723	1344	1461
<b>B3/C1 Combination Wave</b> (6kV / 3kA)				
Line-to-Neutral	416x805 <sup>2</sup>	n/a	n/a	n/a
Line-to-Ground	427x821 <sup>2</sup>	821	1131	1365
Neutral-to-Ground	560	n/a	n/a	n/a
Line-to-Line	768x1472 <sup>2</sup>	768	1472	1552
<b>C3 Combination Wave</b> (20kV / 10kA)				
Line-to-Neutral	549x971	n/a	n/a	n/a
Line-to-Ground	560x955	955	1344	1595
Neutral-to-Ground	800	n/a	n/a	n/a
Line-to-Line	912x1691	912	1691	1760
<b>Dimensions – inches</b> (centimeters)				
Height	13.69 (34.77)	13.69 (34.77)	13.69 (34.77)	13.69 (34.77)
Width	12.40 (31.50)	12.40 (31.50)	12.40 (31.50)	12.40 (31.50)
Depth	7.94 (20.17)	7.94 (20.17)	7.94 (20.17)	7.94 (20.17)
<b>Enclosure Size</b> (see page 17 for details)	E	E	E	E
<b>Unit Weight</b> (approx.) – pounds (kilograms)	12.0 (5.4)	12.0 (5.4)	12.0 (5.4)	12.0 (5.4)

### ADDITIONAL CONFIGURATIONS

#### MOV/SAD Hybrid

Model Number	SBS200-240/120-7A6†	SBS100-240-5A9†	SBS100-400-5A9†	SBS100-480-5A9†
--------------	---------------------	-----------------	-----------------	-----------------

#### UL 1449 Let-Through Voltage Rating (enhanced rating)

Line-to-Neutral	330x600	n/a	n/a	n/a
Line-to-Ground	500x900	900	1500	1800
Neutral-to-Ground	600	n/a	n/a	n/a
Line-to-Line	700x1200	700	1200	1200

#### MOV/Filter Hybrid

Model Number	SBC200-240/120-7A6†	SBC100-240-5A9†	SBC100-400-5A9†	SBC100-480-5A9†
<b>Filter Attenuation</b> (dB – 50 ft. Noise Source)	L-N/L-L	L-L	L-L	L-L
100kHz	-50	-50	-50	-50
1MHz	-32	-32	-32	-32
10MHz	-33	-33	-33	-33
100MHz	-47	-47	-47	-47

#### MOV/SAD/Filter Hybrid

Model Number	SBH200-240/120-7A6†	SBH100-240-5A9†	SBH100-400-5A9†	SBH100-480-5A9†
--------------	---------------------	-----------------	-----------------	-----------------

\*CE compliant

**High-Leg DELTA Units:** <sup>1</sup>MCOV is 150V for modes A-N, C-N, C-G and N-G modes. MCOV is 300V for modes B-N and B-G.

<sup>2</sup>Let-Through: 111 x ZZZ where ZZZ represents let-through voltages for Phase B modes.

**DELTA Units:** <sup>3</sup> MCOV: YYY/ZZZ where YYY represents MCOV for Phase-to-Ground modes. ZZZ represents MCOV for Phase-to-Phase modes.

† Monitoring option. See page 18.

J-1615 11.00