



MOV BASE CONFIGURATION

System Voltage (50/60Hz)	240/120 x 208V	240V	400V	480V
	Grounded High-Leg DELTA			
Phase Configuration	3-phase GHL DELTA	3-phase DELTA	3-phase DELTA	3-phase DELTA
Model Number (MOV-based product)	SBM100-240/120-7A6†	SBM50-240-5A9†	SBM50-400-5A9†	SBM50-480-5A9†
Single-Pulse Surge Current Capacity				
Per Phase	100kA	50kA	50kA	50kA
Per Mode				
Line-to-Neutral	50kA	n/a	n/a	n/a
Line-to-Ground	50kA	50kA	50kA	50kA
Neutral-to-Ground	50kA	n/a	n/a	n/a
Line-to-Line	50kA	50kA	50kA	50kA
Varistor Maximum Continuous Operating Voltage (MCOV)	150x300 ¹	300/300 ³	460/600 ³	550/640 ³
Repetitive Surge-Current Capacity (20kV / 10kA)	2500	2500	2500	2500
UL 1449 Let-Through Voltage Rating				
Line-to-Neutral	500x800 ²	n/a	n/a	n/a
Line-to-Ground	500x900 ²	900	1500	1800
Neutral-to-Ground	600	n/a	n/a	n/a
Line-to-Line	800x1500 ²	800	1500	1800
Additional Clamping Voltages				
B3 Ringwave (6kV / 500A)				
Line-to-Neutral	408x749 ²	n/a	n/a	n/a
Line-to-Ground	421x763 ²	763	1120	1307
Neutral-to-Ground	552	n/a	n/a	n/a
Line-to-Line	744x1381 ²	744	1381	1493
B3/C1 Combination Wave (6kV / 3kA)				
Line-to-Neutral	437x811 ²	n/a	n/a	n/a
Line-to-Ground	448x821 ²	821	1264	1461
Neutral-to-Ground	672	n/a	n/a	n/a
Line-to-Line	800x1488 ²	800	1488	1637
C3 Combination Wave (20kV / 10kA)				
Line-to-Neutral	571x997 ²	n/a	n/a	n/a
Line-to-Ground	592x987 ²	987	1541	1701
Neutral-to-Ground	896	n/a	n/a	n/a
Line-to-Line	971x1744 ²	971	1744	1920
Dimensions – inches (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)
Enclosure Size (see page 17 for details)	E	E	E	E
Unit Weight (approx.) – pounds (kilograms)	15.0 (6.8)	12.0 (5.4)	12.0 (5.4)	12.0 (5.4)

ADDITIONAL CONFIGURATIONS

MOV/SAD Hybrid

Model Number	SBS100-240/120-7A6†	SBS50-240-5A9†	SBS50-400-5A9†	SBS50-480-5A9†
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	SBC100-240/120-7A6†	SBC50-240-5A9†	SBC50-400-5A9†	SBC50-480-5A9†
Filter Attenuation (dB – 50 ft. Noise Source)				
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	SBH100-240/120-7A6†	SBH50-240-5A9†	SBH50-400-5A9†	SBH50-480-5A9†
--------------	---------------------	----------------	----------------	----------------

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

²Let-Through: YYY x ZZZ where ZZZ represents let-through voltages for Phase B modes.

DELTA Units: ³ 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.