



MOV BASE CONFIGURATION

System Voltage (50/60Hz)	208/120V	400/230V*	480/277V
Phase Configuration	Three-phase WYE	Three-phase WYE	Three-phase WYE
Model Number (MOV-based product)	SBM100-208/120-3A6†	SBM100-400/230-3A6†	SBM100-480/277-3A6†
Single-Pulse Surge Current Capacity			
Per Phase	100kA	100kA	100kA
Per Mode			
Line-to-Neutral	50kA	50kA	50kA
Line-to-Ground	50kA	50kA	50kA
Neutral-to-Ground	50kA	50kA	50kA
Line-to-Line	50kA	50kA	50kA
Varistor Maximum Continuous Operating Voltage (MCOV)	150	300	320
Repetitive Surge-Current Capacity (20kV / 10kA)	2500	2500	2500
UL 1449 Let-Through Voltage Rating			
Line-to-Neutral	500	800	900
Line-to-Ground	500	900	900
Neutral-to-Ground	600	1000	1000
Line-to-Line	800	1500	1800
Additional Clamping Voltages			
B3 Ringwave (6kV / 500A)			
Line-to-Neutral	408	749	800
Line-to-Ground	421	763	821
Neutral-to-Ground	552	976	1008
Line-to-Line	744	1381	1493
B3/C1 Combination Wave (6kV / 3kA)			
Line-to-Neutral	437	811	896
Line-to-Ground	448	821	869
Neutral-to-Ground	672	880	944
Line-to-Line	800	1488	1637
C3 Combination Wave (20kV / 10kA)			
Line-to-Neutral	571	997	1104
Line-to-Ground	592	987	1077
Neutral-to-Ground	896	1280	1360
Line-to-Line	971	1744	1920
Dimensions – inches (centimeters)			
Height	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)
Depth	7.94 (20.17)	7.94 (20.17)	7.94 (20.17)
Enclosure Size (see page 17 for details)	E	E	E
Unit Weight (approx.) – pounds (kilograms)	15.0 (6.8)	15.0 (6.8)	15.0 (6.8)

ADDITIONAL CONFIGURATIONS

MOV/SAD Hybrid			
Model Number	SBS100-208/120-3A6†	SBS100-400/230-3A6†	SBS100-480/277-3A6†
UL 1449 Let-Through Voltage Rating (enhanced rating)			
Line-to-Neutral	330	600	700
Line-to-Ground	500	900	900
Neutral-to-Ground	600	1000	1000
Line-to-Line	700	1200	1200
MOV/Filter Hybrid			
Model Number	SBC100-208/120-3A6†	SBC100-400/230-3A6†	SBC100-480/277-3A6†
Filter Attenuation (dB – 50 ft. Noise Source)	L-N/L-L	L-N/L-L	L-N/L-L
100kHz	-50	-50	-50
1MHz	-32	-32	-32
10MHz	-33	-33	-33
100MHz	-47	-47	-47
MOV/SAD/Filter Hybrid			
Model Number	SBH100-208/120-3A6†	SBH100-400/230-3A6†	SBH100-480/277-3A6†

*CE compliant

† Monitoring option. See page 18.