



MOV BASE CONFIGURATION

System Voltage (50/60Hz)	120/240 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)	SBM400-240/120-7A6†	SBM200-240-5A9†	SBM200-400-5A9†	SBM200-480-5A9†
Single-Pulse Surge Current Capacity				
Per Phase	400kA	200kA	200kA	200kA
Per Mode				
Line-to-Neutral	200kA	n/a	n/a	n/a
Line-to-Ground	200kA	200kA	200kA	200kA
Neutral-to-Ground	200kA	n/a	n/a	n/a
Line-to-Line	200kA	200kA	200kA	200kA
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	2,500
UL 1449 Let-Through Voltage Rating				
Line-to-Neutral	500x800	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	800x1500	800	1500	1800
Additional Clamping Voltages				
B3 Ringwave (6kV / 500A)				
Line-to-Neutral	408x733 ²	n/a	n/a	n/a
Line-to-Ground	416x725 ²	725	1003	1211
Neutral-to-Ground	608	n/a	n/a	n/a
Line-to-Line	701x1323 ²	701	1323	1520
B3/C1 Combination Wave (6kV / 3kA)				
Line-to-Neutral	421x752 ²	n/a	n/a	n/a
Line-to-Ground	411x741 ²	741	1067	1285
Neutral-to-Ground	544	n/a	n/a	n/a
Line-to-Line	731x1392 ²	731	1392	1595
C3 Combination Wave (20kV / 10kA)				
Line-to-Neutral	533x885 ²	n/a	n/a	n/a
Line-to-Ground	528x875 ²	875	1237	1488
Neutral-to-Ground	752	n/a	n/a	n/a
Line-to-Line	864x1584 ²	864	1584	1915
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)	25.5 (11.6)	22.5 (10.2)	22.5 (10.2)	22.5 (10.2)

Additional Configurations

MOV/SAD Hybrid

Model Number	SBS400-240/120-7A6†	SBS200-240-5A9†	SBS200-400-5A9†	SBS200-480-5A9†
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	SBC400-240/120-7A6†	SBC200-240-5A9†	SBC200-400-5A9†	SBC200-480-5A9†
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	n/a	n/a	n/a	n/a
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*CE compliant

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.

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