

KEY FEATURES

- Your most vital primary level defense against today's rolling blackouts and brownouts!
- Unique 'Dual-Mode' fuse-links maintain safety of non-degrading surge capacity.
- Designed for easy mounting and installation for 'fast response-time' protection.
- Up to one million amps of two-stage, single-element parallel surge protection!
- Unique safety "Surge Cushion" technology is key to eliminating 'Electrical Pollution'!



Listed and Certified
UL 1449, 4th Edition
CSA - C22.2 No. 269
For Type 1 & Type 2 Locations
All models SCCR - 200kAIC

Safety rated as SPD Type 1 & Type 2 with the TVSS industries highest safety SCCR rating of 200kAIC!

(SE*) Single Element for each non-degrading surge-path.

Remote Aware (Opt.) provides auto-remote 'Protection Status Alert'.

SurgePure

The SurgePure Mach 5 SPD System is primary level, two stage, 'Dual-Mode' surge protection located at your service entrance.



MACH 5 DATA SHEET

For IEEE Category C Locations,
Industrial / Commercial Applications up to 2000kW

From the main distribution panel it isolates your sensitive downline equipment from nearby switching motor loads and in-house surges to provide a complete grid of non-degrading surge protection. SurgePure always preserves your assets and maximizes your long-term reliability and profits!

Model Number	M5-1120-3	M5-1208-4	M5-1240-3	M5-1240-4	M5-1480-3	M5-1480-4	M5-1600-3	M5-1600-4
AC Service Types	1Ø	3Ø WYE	3Ø Delta	3Ø Hi-Leg	3Ø Delta	3Ø WYE	3Ø Delta	3Ø WYE
Nominal AC Line Voltage (VRMS)	120/240	120/208	240	120/208/240	480	277/480	600	347/600
Frequency Range - USA/Euro Std	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Single Element SE* Protection Modes	L-N, L-L	L-N/L-L&N-G	L-L	L-N/L-L&N-G	L-L	L-N/L-L&N-G	L-L	L-N/L-L&N-G
Leads: 36" #8 AWG Stranded Copper	3+G	4+G	3+G	4+G, Hi-Leg	3+G	4+G	3+G	4+G
VPR Rating UL 1449, 4th Ed L-L/L-N @ 20kA, I _n	700/1000	700/1000	1000	700/1000/1000	1500	1000/1500	1800	1200/1800
Max SE* Surge Current Per Mode/ Per Ø/kA	80/350	80/350	80/350	80/350	80/350	80/350	80/350	80/350
Total Surge Capacity: (kA @ 8x20 µsec pulse)	380	1000	1000	1000	1000	1000	1000	1000
Max Continuous Operating Voltage (MCOV)	150/320	150/320	320	150/320/320	550	320/550	680	390/680
Max. Clamping Voltage - L-L	520	520	520	520	1175	1175	1800	1800
Max. Clamping Voltage - L-N	390	390	N/A	390	N/A	390	N/A	1120
Max. Clamping Voltage - N-G	390	390	N/A	390	N/A	390	N/A	1120
Warranty	Manufactures Guarantee - Lifetime Warranty							
Enclosure Size (HxWxD)	10½" x 8½" x 6¼" (w/¾" mounting knockout size)							
Enclosure Type	Rated 'NEMA 4X' Indoor/Outdoor, Dust, Drip, Hosedown, Corrosion Proof							
Overcurrent Protection	Type 1 & Type 2, no breaker required / for fast easy panel installations, use 40 amp breaker - CODE RULE 26-420 (2)							
Certifications	c-ETL-us Listed and Certified to the latest UL 1449, 4th Edition / CSA C22.2 - no. 269, RoHs Compliant							
Performance & Safety Testing Per	UL Std. & ANSI/IEEE C62.11, C62.41 & C62.45							
Protection Status Indicators	Lifetime Green LED Self Test 'Protection Status Monitors' For Each Phase							
Shipping Weight LBS (Approx.)	22	24	23	24	25	26	30	30



FOR MORE INFORMATION ON THE SURGEPURE MACH 5 SPD SYSTEM

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