KEY FEATURES

- LED's Constantly monitor performance and protection status of each phase.

- Unique fuse-links maintain safety of high energy, non-degrading surge capacity.

- Designed for easy mounting and installation for 'fast response-time' protection.

- Up to 335,000 amps of single-element, non-degrading surge protection!

- Integral grid of primary & secondary levels of non-degrading SPD technology provides long-term 24/7 AC power system integrity.

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'.

Surge Pure

MACH 3 DATA SHEET

For IEEE Category B & C Locations
Industrial / Commercial Applications up to 250kW

The SurgePure Mach 3 SPD System is designed for your most digitally sensitive equipment featuring our 'Active Sinewave Tracking' filtering out low-level spike/noise for ultra pure-power.

Mach 3 is geared for computer rooms, jumbo-trons, hospital equipment, MRI's, dentist offices.

(Mach 3 must be kept at least 50' away from all VFD's).

Model Number	M3-1120-3	M3-1208-4	M3-1240-4	M3-1480-4
AC Service Types	1Ø	3Ø WYE	3Ø Hi-Leg	3Ø WYE
Nominal AC Line Voltage (VRMS)	120/240	120/208	120/208/240	277/480
Frequency Range - USA/Euro Std	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-N, L-L, N-G	L-N, L-L, N-G
Leads: 36" #12 AWG Stranded Copper	3+G	4+G	4+G, Hi-Leg	4+G
VPR Rating UL 1449, 4th Ed L-L/L-N @ 20kA, I_n	700/1000	700/1000	700/1000/1000	1000/1800
Max SE* Surge Current Per Mode/ Per Ø/kA	45/90	45/135	45/135	45/135
Total Surge Capacity: (kA @ 8x20 µsec pulse)	165	355	355	355
Max Continuous Operating Voltage (MCOV)	150/320	150/320	150/320/320	320/550
Max. Clamping Voltage - L-L	520	520	520	1175
Max. Clamping Voltage - L-N	390	390	390	675
Max. Clamping Voltage - N-G	390	390	390	390
Warranty	Manufactures Guarantee - Lifetime Warranty			
Enclosure Size (HxWxD)	8½" x 6¼" x 4¼" (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 20 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.)	7	7.5	7.5	7.5

FOR MORE INFORMATION ON THE SURGEPURE MACH 3 SPD SYSTEM
Web: **www.surgepure.com**   Toll Free: **1.877.833.5440**   Email: **info@surgepure.com**

SurgePure.Mach3Datasheet/06.17/01