

KEY FEATURES

- Your most vital primary level defense against today's rolling blackouts and brownouts!
- Unique fuse-links maintain safety of high energy, non-degrading surge capacity.
- Designed for easy installation for close-coupled, 'fast response-time' protection.
- One half million amps of safe, solid, non-degrading, lifetime surge capacity!
- 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'.

SurgePure

The **SurgePure Mach 4 SPD System** is a primary level of non-degrading, SE* surge protection typically located at your main distribution panel.



MACH 4 DATA SHEET

For IEEE Category B & C Locations,
Industrial/Commercial Applications up to 500kW

While it isolates your downline equipment from external utility and lightning hazards, it also isolates your sub-distribution panels from in-house surges to provide a lifetime grid of clean power and surge protection.

Model Number	M4-1120-3	M4-1208-4	M4-1240-3	M4-1240-4	M4-1480-3	M4-1480-4	M4-1600-3	M4-1600-4
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" #10 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-L @ 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	80/160	80/160	80/160	80/160	80/160	80/160	80/160	80/160
Total Surge Capacity: (kA @ 8x20 µsec pulse)	260	560	420	560	420	560	420	560
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)	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 30 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.)	8	8.5	8.5	8.5	8.5	8.5	9	9



FOR MORE INFORMATION ON THE SURGEPURE MACH 4 SPD SYSTEM

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