



Hardwire AC Surge Protection

M80



The M80 Series is a compact, low profile AC surge protector designed for light commercial and light industrial applications. The SPD provides 80,000 amps of surge handling capacity and a noise attenuating filter.

Whether transients originate from internal motor operation or external anomalies, the M80 Series will provide the necessary level of protection for your sensitive microprocessor-based equipment. The SPD's NEMA 4 enclosure make it suitable for even harsh indoor environments.

Applications

- Service entrance at remote sites
- Computer Rooms
- Lighting Panels
- Variable Speed Drives (VSD)
- CNC Machines

Model	Configuration
M80-120T	120/240Vac, 1ph, 3W+G, split phase
M80-120Y	120/208Vac, 3ph, 4W+G, wye
M80-220Y	220/380Vac, 3ph, 4W+G, wye
M80-240Y	240/415Vac, 3ph, 4W+G, wye
M80-240DCT	120/120/240Vac, 3ph, 4W+G, hi-leg
M80-240D	240Vac, 3ph, 3W+G, delta
M80-277Y	277/480Vac, 3ph, 4W+G, wye
M80-480D	480Vac, 3ph, 3W+G, delta

AC Panel Protection

- 100kA transient amps protection (8/20 μ s)
- All modes of protection
- Full On-Board Diagnostics— LED indicators, remote, surge counter & audible alarms.
- 200kAIC Fault Current Rated
- Integral Fused Disconnect
- EMI/RFI Noise Filtering
- NEMA 4X enclosure
- 10-Year warranty

Characteristics

Surge Handling (I_{max})	80kA/phase
Protection Modes	L-N, L-G, N-G, L-L
EMI/RFI Filtering	Yes
LED Indicators	Yes
Audible Alarm	Yes
Remote Signalling	Yes
Connecting Wire Size	#10 AWG, 36" Leads
Response Time	<5 nanoseconds
Dimensions	8" x 6" x 4"
Enclosure	NEMA 4, Metal
Weight	6lbs

Standards & Guidelines

UL 1449 2nd Edition	USA
IEC 61643-11	International
ANSI/IEEE C62.41	USA
NFC 61740-95	France
VDE0675-6	Germany
CSA C22.2	Canada
CE Marked	European

UL1449 500A				Joules	
L-N	L-G	N-G	L-L	(10/100us)	MCOV
400	400	500	800	1,800j	150V
400	400	500	800	2,520j	150V
1000	1000	1000	1800	4,480j	320V
1000	1000	1000	1800	4,480j	320V
400	400	1000	1800	3,080j	150/320V
-	1000	-	1800	3,840j	320V
1000	1000	1000	1800	4,480j	320V
-	1800	-	3600	6,720j	550V