

Hardwired 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

AC Panel Protection

- 80kA transient amps protection (8/20 μ s)
- All modes of protection
- Full On-Board Diagnostics— LED indicators with remote & audible alarms.
- 200kAIC Fault Current Rated
- EMI/RFI Noise Filtering (-40dB)
- NEMA 4 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

Model	Configuration	UL1449 500A				Joules (10/100us)	MCOV
		L-N	L-G	N-G	L-L		
M80-120T	120/240Vac, 1ph, 3W+G, split phase	400	400	500	800	1,800j	150V
M80-120Y	120/208Vac, 3ph, 4W+G, wye	400	400	500	800	2,520j	150V
M80-220Y	220/380Vac, 3ph, 4W+G, wye	1000	1000	1000	1800	4,480j	320V
M80-240Y	240/415Vac, 3ph, 4W+G, wye	1000	1000	1000	1800	4,480j	320V
M80-240DCT	120/120/240Vac, 3ph, 4W+G, hi-leg	400	400	1000	1800	3,080j	150/320V
M80-240D	240Vac, 3ph, 3W+G, delta	-	1000	-	1800	3,840j	320V
M80-277Y	277/480Vac, 3ph, 4W+G, wye	1000	1000	1000	1800	4,480j	320V
M80-480D	480Vac, 3ph, 3W+G, delta	-	1800	-	3600	6,720j	550V