

ACT SURGE STRYKER 455 Family

Hardwired AC Surge Protection Device



The Full Featured Surge Stryker Family is a high performance surge protector designed for critical panel locations. The SPD incorporates high-energy MOVs with EMI/RFI noise filtering to provide protection against transients originating from induced lightning strikes and utility switching.

Real-time diagnostics include LED fault indicators for each phase as well as the presence of abnormal voltages between the neutral to ground mode, where applicable. Form C dry contacts for remote indication and an audible alarm ensure the Surge Stryker Protector is always at full capacity.

Housed in a rugged NEMA 4 enclosure these devices are suitable for harsh indoor or outdoor applications. The ACT 455 Family is available for all voltages and configurations up to 480Vac.

AC Panel Protection

- Available in 100, 80 & 60 kA transient amps of protection per mode (8/20 μ s)
- All modes of protection - CAT C + B Locations
- Full On-Board Diagnostics— LED indicators, remote & audible alarms.
- 200kAIC Fault Current Rated
- EMI/RFI Noise Filtering (-40dB)
- 10-Year warranty
- 3rd Party Tested - 5,000 (C3 20 kV/10 kA)

Characteristics

Surge Handling (I_{max})	Up to 100 kA / mode
All Mode Protection	L-N, L-G, N-G, L-L
EMI/RFI Noise Rejection	-40dB
LED Indicators	Yes
Audible Alarm	Yes
Remote Signalling	Form C dry contacts
Connecting Wire Size	#10 AWG, 36" Leads
Response Time	<5 nanoseconds
Dimensions	8" x 6" x 3.5"
Enclosure	NEMA 4, Metal
Weight	10lbs

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

Surge Rating per Mode: 100, 80, 60 kA

Example: ACT 455-277Y-100 or ACT 455-120S-060

Part Number 455-Voltage-KA Rating	Configuration	UL1449 500A				MCOV
		L-N	L-G	N-G	L-L	
455-120S-XXX	120/240Vac, 1ph, 3W+G, split phase	400	400	500	800	150V
455-120Y-XXX	120/208Vac, 3ph, 4W+G, wye	400	400	500	800	150V
455-220Y-XXX	220/380Vac, 3ph, 4W+G, wye	1000	1000	1000	1800	320V
455-240Y-XXX	240/415Vac, 3ph, 4W+G, wye	1000	1000	1000	1800	320V
455-240H-XXX	120/120/240Vac, 3ph, 4W+G, hi-leg	400	400	1000	1800	150/320V
455-240D-XXX	240Vac, 3ph, 3W+G, delta	-	1000	-	1800	320V
455-277Y-XXX	277/480Vac, 3ph, 4W+G, wye	1000	1000	1000	1800	320V
455-347Y-XXX	347/600Vac, 3ph, 4W+G, wye	1500	1500	1500	3000	550V
455-480D-XXX	480Vac, 3ph, 3W+G, delta	-	1500	-	3000	550V