

47000 Panel Mount Surge Protective Devices

DESCRIPTION	CAT. NO.	RATING
7-Mode Panel Mount	47120-007	120/208V 3ØWYE
7-Mode Panel Mount w/NEMA 4X Enclosure	47120-4X7	120/208V 3ØWYE
7-Mode Panel Mount	47277-007	277/480V 3ØWYE
7-Mode Panel Mount w/NEMA 4X Enclosure	47277-4X7	277/480V 3ØWYE

Module Clamping Performance: Cat. Nos. 47120-007, 47120-4X7

CLAMPING PERFORMANCE	LINE-TO-NEUTRAL	LINE-TO-GROUND	NEUTRAL-TO-GROUND
UL1449 (2nd Ed.) Impulse 6kv/500A	330V	400V	330V
IEEE Cat. B3 Impulse 6kv/3kA	370V	370V	390V
IEEE Cat. B3 Ringwave 6kv/500A	325V	340V	325V

Module Clamping Performance: Cat. Nos. 47277-007, 47277-4X7

CLAMPING PERFORMANCE	LINE-TO-NEUTRAL	LINE-TO-GROUND	NEUTRAL-TO-GROUND
UL1449 (2nd Ed.) Impulse 6kv/500A	700	800V	700V
IEEE Cat. B3 Impulse 6kv/3kA	750V	755V	740V
IEEE Cat. B3 Ringwave 6kv/500A	545V	690V	655V

Energy Capacity: Cat. Nos. 47120-007, 47120-4X7

MODE	MAXIMUM SURGE CURRENT (test with 8x20µs wave)	SINGLE PULSE TRANSIENT ENERGY IN JOULES (10x1000)
Line-to-Neutral	200,000 A	1440
Line-to-Ground	200,000 A	1440
Neutral-to-Ground	100,000 A	720

Energy Capacity: Cat. Nos. 47277-007, 47277-4X7

MODE	MAXIMUM SURGE CURRENT (test with 8x20µs wave)	SINGLE PULSE TRANSIENT ENERGY IN JOULES (10x1000)
Line-to-Neutral	200,000 A	2560
Line-to-Ground	200,000 A	2560
Neutral-to-Ground	100,000 A	1280

All devices are UL Listed and CSA Certified.



SPECIFICATIONS & FEATURES

47000 Series

- Provides low-clamping, high surge current capability
- Verifies fail-safe conditions for MOVs under steady-state overvoltage
- 200 kA rated per mode
- Parallel wired to facilitate connection to any service ampacity
- Provides Normal Mode (phase to neutral) & Common Mode (neutral to ground) protection for WYE-configured 3-phase AC systems
- Available with NEMA Type 4X enclosure for outdoor/uncontrolled environments

TESTING & CODE COMPLIANCE

47000 Series

- UL 1449 Listed
- UL 1283 for EMI Filters
- Meets IEEE C62.45 requirements for Categories A, B, C
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Operating Temperature: -10°C to 60°C
Storage Temperature: -20°C to 85°C

