

▶ PowerPro 25 XNP 7-Mode Surge Protection Device



▶ FEATURES AND BENEFITS

- Provides 25,000 Amp per mode single-pulse surge current capacity (50,000 amps per phase)
- Protects facilities and equipment against the harmful effects of lightning strikes and internally generated electrical transients and noise
- Fulfills the single-pulse surge current capacity testing recommended per NEMA LS-1 2.2.9 and 3.9
- Includes pre-wired pigtail conductors to streamline installation
- Reinforced copper bus design on PCB to minimize system impedances, reducing clamping voltage and increasing reliability
- 10-Year warranty (30-year optional)

▶ OPTIONS

- **-45dB EMI Filter:** F to end of model number
- **Remote Dry Contacts:** Form "C" dry contacts for remote alarm monitoring are available as an option. To order a model with Remote alarm option, add -R to end of Model number.
- **Mounting Options:** The Power Pro can be ordered with several mounting options, that determines where the electrical conduit nipple is mounted. Bottom Side is standard, -TS Top Side; -LS Left Side; -RS Right Side

▶ APPLICABLE APPROVAL AND STANDARDS

- ETL listed to UL 1449 3rd Edition Sept 2009
- Designed & tested to UL1283
- NEMA LS-1
- ANSI / IEEE C62.1, C62.45, C62.11, C62.41

▶ 7-MODE POWER PRO 25 MODEL NUMBERS

| Model No. | System Voltage | Service Configuration |
|---------------------|--------------------------------|---------------------------------------|
| XNP-025-120-1G | 120 VAC | 1 PHASE, 2 WIRE, W/GROUND |
| XNP-025-240-1G | 240 VAC | 1 PHASE, 2 WIRE, W/GROUND |
| XNP-025-120/240-2G | 120/240 VAC | 1 PHASE, 3 WIRE SPLIT PHASE, W/GROUND |
| XNP-025-120/208-3GY | 120/208 VAC | 3 PHASE, 4 WIRE WYE, W/GROUND |
| XNP-025-220/380-3GY | 220/380 VAC | 3 PHASE, 4 WIRE WYE, W/GROUND |
| XNP-025-277/480-3GY | 277/480 VAC | 3 PHASE, 4 WIRE WYE, W/GROUND |
| XNP-025-120/240-3GH | 120/240 VAC B PHASE IS 208V | 3 PHASE, HIGH-LEG DELTA, W/GROUND |
| XNP-025-240-3DG | 240VAC | 3 PHASE, 3 WIRE DELTA, W/GROUND |
| XNP-025-380-3DG | 380 VAC | 3 PHASE, 3 WIRE DELTA, W/GROUND |
| XNP-025-480-3DG | 480 VAC | 3 PHASE, 3 WIRE DELTA, W/GROUND |

* Optional Feature Codes -F EMI Filter -R Remote Alarm

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TECHNICAL INFORMATION

▶ SURGE VOLTAGE RATING (6 KV / 3000 A COMBINATION WAVEFORM) - UL1449 4TH EDITION

| Model No. | System Voltage | MCOV | L-N | L-G | N-G | L-L |
|---------------------|----------------------|---------|----------|----------|------|------|
| XNP-025-120-1G | 120 VAC | 150 | 700 | 700 | 700 | 1200 |
| XNP-025-240-1G | 240 VAC | 320 | 1000 | 1000 | 1000 | 2000 |
| XNP-025-120/240-2G | 120/240 VAC | 150 | 700 | 700 | 700 | 1200 |
| XNP-025-120/208-3GY | 120/208 VAC | 150 | 700 | 700 | 700 | 1200 |
| XNP-025-220/380-3GY | 220/380 VAC | 320 | 1000 | 1000 | 1000 | 2000 |
| XNP-025-277/480-3GY | 277/480 VAC | 320 | 1000 | 1000 | 1000 | 2000 |
| XNP-025-120/240-3GH | 120/240 VAC High Leg | 150/320 | 700/1000 | 700/1000 | 700 | 1200 |
| XNP-025-240-3DG | 240VAC | 320 | - | 1000 | - | 2000 |
| XNP-025-380-3DG | 380 VAC | 625 | - | 1600 | - | 3200 |
| XNP-025-480-3DG | 480 VAC | 625 | - | 1600 | - | 3200 |

▶ EMI /RFI NOISE REJECTION

Filtering Attenuation Frequencies (L-N) with 6" Hook Up Wire

| Frequency | Noise Source (in dB) |
|-----------|----------------------|
| | 50 ft. |
| 1 kHz | -1.26 |
| 5 kHz | -11.3 |
| 10 kHz | -16.47 |
| 50 kHz | -31.18 |
| 100 kHz | -35.59 |
| 150 kHz | -38.41 |
| 200 kHz | -40.91 |
| 250 kHz | -41.63 |
| 500 kHz | -49.49 |
| 1 MHz | -43.24 |

▶ SINGLE-PULSE SURGE CURRENT CAPACITIES

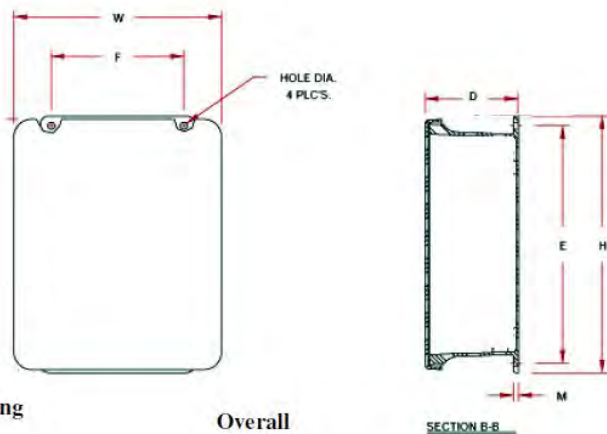
| Protection Mode | Single-Pulse Surge Current per Mode |
|-----------------|-------------------------------------|
| L-N | 25,000 |
| L-G | 25,000 |
| N-G | 25,000 |
| L-L | 25,000 |
| Per Phase | 50,000 |

▶ MECHANICAL SPECIFICATIONS

| | |
|-----------------------|---|
| Dimensions | 7.39" H x 5.43" W x 4.75" D |
| Weight | 6.5 lbs. |
| Enclosure Type | NEMA 4X FRP, Non-Removable Cover |
| Standard Hub Type | 3/4" – Rigid or IMC Conduit Optional Stainless Steel Hub Available |
| Operating Environment | -40C to +60C 5% to 95% humidity |

▶ ELECTRICAL SPECIFICATIONS

| | |
|--------------------------------|---|
| Connection Method | Parallel |
| All Protection Modes Protected | L-N, L-G, N-G, L-L |
| Pre-Wired | 30" stranded #10 AWG |
| Status Indicator | LED's for each phase NO/NC Remote Relay Option |



Mounting

E x F
6.75 x 2

Overall

H x W x D
7.50 x 5.43 x 4.75

SHIPPING SPECS: 8 lbs Standard Box 8" x 6" x 6"