



TransEnd 80

TRANSEND 80 FEATURES AND BENEFITS

- Provides 80,000-amp per mode single-pulse surge current capacity (160,000 amps per phase)
- Protects facilities and equipment against the harmful effects of lightning strikes and internally generated electrical transients
- Fulfills the single-pulse surge current capacity testing recommendations per NEMA LS-1, 2.2.9 and 3.9
- Includes pre-wired pigtail conductors to streamline installation
- Features internal copper bus conduction path to minimize system impedances, reducing clamping voltage and increasing reliability
- 5-year warranty

EMI / RFI NOISE REJECTION

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

| Frequency | Noise Source | |
|-----------|--------------|---------|
| | 50 ft. | 100 ft. |
| 100kHz | -50 dB | -50 dB |
| 1MHz | -34 dB | -39 dB |
| 10MHz | -34 dB | -40 dB |
| 100MHz | -47 dB | -53 dB |

MECHANICAL SPECIFICATIONS

| | |
|-----------------------|---|
| Dimensions | 7"H x 7"W x 5"D |
| Weight | 12.7 lbs. |
| Enclosure Type | NEMA 4X fiberglass-reinforced polyester (FRP), surface-mount, non-removable cover |
| Operating Environment | -40°C to +60°C, 5% to 95% noncondensing humidity |

ELECTRICAL SPECIFICATIONS

| | |
|-------------------|---|
| Connection Method | Parallel |
| Protection Modes | L-N, L-G, N-G, L-L |
| Prewired | 24" stranded #10 AWG pigtail conductors |
| Status Indicators | LEDs for each phase illuminate to indicate protection is active |

Short circuit current rating 65 kAIC using 20 A breaker or fuse (not provided), except 277/480 and 480V where it is 18 kAIC when using a 20 A breaker or fuse (not provided).

APPLICABLE STANDARDS

| | |
|-----------------|-----------------------------------|
| Safety Listing: | UL 1449 3rd Edition 2009 Revision |
| | UL 1283 |
| | ANSI/IEEE C62.41 |
| | ANSI/IEEE C62.1, ANSI/IEEE C62.45 |

OPTIONS

Dry Contacts: Single Form "C" dry contacts for remote alarm monitoring are available as an option. To order a model with dry contacts, add suffix "-FCC" to the standard part number.

Example: XN80-120/208-3GY-FCC

FITTINGS

Option A: Metallic conduit installation kit has a 3/4" x 3" metallic nipple and all associated hardware required to complete the TransEnd installation.

Part No. 300-0255-001 (order as a separate item)

Option B: Flexible plastic conduit installation kit, including 18" flexible conduit and all associated hardware required to complete the TransEnd installation.

Part No. 300-0255-002 (order as a separate item)

| Model Number | System Voltage | System Configuration | Protection Mode | Voltage Protection | |
|-------------------|----------------|--|-----------------|--------------------|--------|
| | | | | MCOV | Rating |
| XN80-120/240-2G | 120/240V | 1-Phase 3-wire+grnd | L-N | 150 | 800 |
| | | | L-G | 150 | 800 |
| | | | L-L | 300 | 1200 |
| XN80-120/208-3GY | 120/208V | 3-Phase WYE 4-wire+grnd | L-N | 150 | 800 |
| | | | L-G | 150 | 800 |
| | | | L-L | 300 | 1200 |
| XN80-220/380-3GY | 220/380V | 3-Phase WYE 4-wire+grnd | L-N | 275 | 1000 |
| | | | L-G | 275 | 1000 |
| | | | L-L | 550 | 1800 |
| XN80-277/480-3GY | 277/480V | 3-Phase WYE 4-wire+grnd | L-N | 320 | 1200 |
| | | | L-G | 320 | 1200 |
| | | | L-L | 640 | 2000 |
| XN80-120/240-3GHD | 120/240V | 3-Phase High-Leg DELTA 4-wire+grnd | L-N | 150 | 800 |
| | | | H-N | 275 | 1000 |
| | | | L-G | 150 | 800 |
| | | | H-G | 275 | 1000 |
| | | | L-L | 300 | 1200 |
| | | | H-L | 425 | 1500 |
| XN80-240-3DG | 240V | 3-Phase DELTA 3-wire+grnd | L-N | 150 | 800 |
| | | | L-L | 300 | 1200 |
| | | | L-L | 300 | 1200 |
| XN80-380-3DG | 380V | 3-Phase DELTA 3-wire+grnd | L-G | 420 | 1500 |
| | | | L-L | 550 | 1800 |
| | | | L-L | 550 | 1800 |
| XN80-480-3DG | 480V | 3-Phase DELTA 3-wire+grnd | L-G | 550 | 1800 |
| | | | L-L | 640 | 2000 |
| | | | L-L | 640 | 2000 |

All tests performed with 6" lead length, positive polarity.
All voltages are peak values measured from the zero reference point.

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