



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.

Thomas & Betts Power Solutions

5900 Eastport Blvd. • Richmond, VA 23231-4453 USA

Tel: (804) 236-3300 • Toll free: (800) 238-5000 • Fax: (804) 236-4841 • tnbpowersolutions.com/joslyn

