MODULAR TDX PANEL PROTECTOR, 400 KA



CERTIFICATIONS

FEATURES

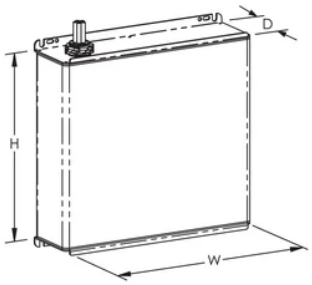
- Transient Discriminating (TD) Technology provides increased service life
- Modular design allows easy replacement of surge modules
- Built-in features include TD Technology, thermal protection, short circuit current cartridge fusing and a surge counter
- Status indication flag per mode, voltage presence LEDs, audible alarm and voltage-free contacts providing remote status monitoring
- 400kA 8/20µs maximum surge rating provides protection suitable for service entrance, main-distribution panels and highly exposed applications

SPECIFICATIONS

Catalog Number	**TDX400S120/240**	**TDX400S120/208**	**TDX400S277/480**
Nominal System Voltage (Un)	120/240 V	120/208 V	277/480 V
Distribution System	1Ph 3W+G	3Ph 4W+G	3Ph 4W+G
Max Continuous Operating Voltage (Uc)	170/276 VAC	170/276 VAC	320/550 VAC
Stand-off Voltage	240/480 VAC	240/415 VAC	480/831 VAC
Frequency	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
Short Circuit Current Rating (SCCR)	200 kA	200 kA	200 kA
Nominal Discharge Current (In), UL	20 kA 8/20 µs	20 kA 8/20 µs	20 kA 8/20 µs

Catalog Number	TDX400S120/240	TDX400S120/208	TDX400S277/480
Nominal Discharge Current (In), IEC	40 kA 8/20 µs	40 kA 8/20 µs	40 kA 8/20 µs
Max Discharge Current (Imax), Per Phase	400 kA 8/20 µs	400 kA 8/20 µs	400 kA 8/20 µs
Impulse Current (Iimp), Per Mode	25 kA 10/350 µs	25 kA 10/350 µs	25 kA 10/350 µs
Voltage Protection Rating (VPR), L-N	800 V @ 3 kA	800 V @ 3 kA	1200 V @ 3 kA
Technology	TD technology with thermal disconnect Over-current replaceable cartridge fusing	TD technology with thermal disconnect Over-current replaceable cartridge fusing	TD technology with thermal disconnect Over-current replaceable cartridge fusing
Surge Counter	Yes	Yes	Yes
Protection Modes	L-N L-PE N-PE	L-N L-PE N-PE	L-N L-PE N-PE
Status Indication	LED Mechanical flag Audible alarm	LED Mechanical flag Audible alarm	LED Mechanical flag Audible alarm
Remote Contacts	Yes	Yes	Yes
Lead Size imperial	#10	#10	#10
Lead Length	30	30	30
Temperature	-40 to 176 °F	-40 to 176 °F	-40 to 176 °F
Ground Lead Length	36	36	36
Mounting	3/4” straight nipple	3/4” straight nipple	3/4” straight nipple
Enclosure Rating	IP 20 NEMA®-12/3R	IP 20 NEMA®-12/3R	IP 20 NEMA®-12/3R
Enclosure Material	Metal	Metal	Metal
Depth (D)	3 1/4"	3 1/4"	3 1/4"
Width (W)	10.32"	10.32"	10.32"
Height (H)	10.4"	10.4"	10.4"
Unit Weight	14 lb	14 lb	14 lb
Certification Details	UL® 1449 Edition 5 Type 1/2, 20 kA Mode	UL® 1449 Edition 5 Type 1/2, 20 kA Mode	UL® 1449 Edition 5 Type 1/2, 20 kA Mode
Complies With	ANSI®/IEEE® C62.41.2-2002 Scenario II, Exposure 3, 100 kA 8/20 µs, 10 kA 10/350 µs IEC® 61643-1 Class I, Class II	ANSI®/IEEE® C62.41.2-2002 Scenario II, Exposure 3, 100 kA 8/20 µs, 10 kA 10/350 µs IEC® 61643-1 Class I, Class II	ANSI®/IEEE® C62.41.2-2002 Scenario II, Exposure 3, 100 kA 8/20 µs, 10 kA 10/350 µs IEC® 61643-1 Class I, Class II
Replacement Module	TDS150M150	TDS150M150	TDS150M277

DIAGRAMS



WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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