Modular TDX Panel Protector, 400 kA

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

Table 1/2

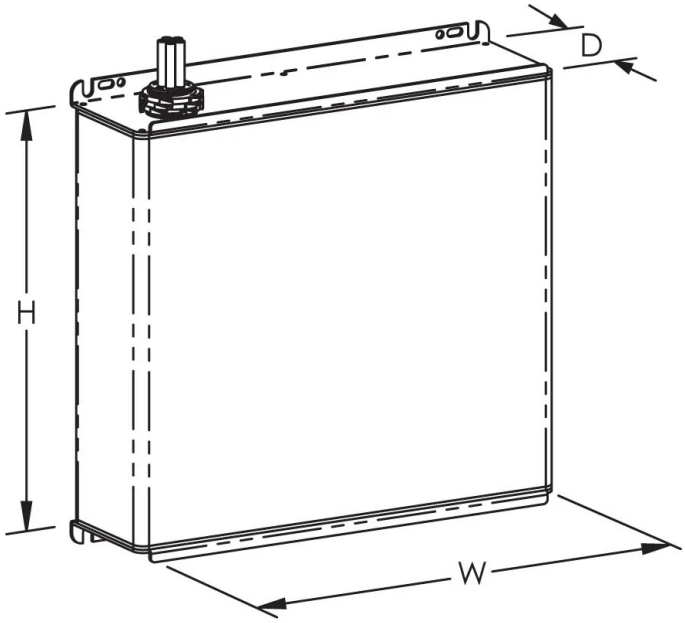
Catalog Number	**TDX400S277/480**
Nominal System Voltage (Un)	277/480 V
Distribution System	3Ph 4W+G
Max Continuous Operating Voltage (Uc)	320/550 VAC
Stand-off Voltage	480/831 VAC
Frequency	50 - 60 Hz
Short Circuit Current Rating (SCCR)	200kA
Nominal Discharge Current (In), IEC	40kA 8/20 µs
Nominal Discharge Current (In), UL	20kA 8/20 µs
Max Discharge Current (Imax), Per Phase	400kA 8/20 µs
Impulse Current (Iimp), Per Mode	25kA 10/350 µs
Voltage Protection Rating (VPR), L-N	1200 V @ 3 kA

Catalog Number	TDX400S277/480
Protection Modes	L-N L-PE N-PE
Status Indication	LED Mechanical flag Audible alarm
Surge Counter	Yes
Technology	TD technology with thermal disconnect Over-current replaceable cartridge fusing
Remote Contacts	Yes
Lead Length	762mm
Lead Size	5.26 mm²

Table 2/2

Catalog Number	TDX400S277/480
Ground Lead Length	914mm
Temperature	-40 to 80 °C
Enclosure Material	Metal
Enclosure Rating	IP 20 NEMA®-12/3R
Mounting	3/4” straight nipple
Depth (D)	83mm
Height (H)	260 mm
Width (W)	257 mm
Unit Weight	6.35 kg
Certification Details	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
Replacement Module	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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