

## MODULAR TDX PANEL PROTECTOR, 300 KA, 3PH 4W+G DISTRIBUTION SYSTEM, 320/550 VAC

### CATALOG NUMBER

**TDX300S277/480**



### 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

300 kA 8/20  $\mu$ s maximum surge rating provides protection suitable for service entrance, main-distribution panels and highly exposed applications

### PRODUCT ATTRIBUTES

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 V

Frequency: 50 – 60 Hz

Short Circuit Current Rating (SCCR): 200 kA

Nominal Discharge Current (In), IEC: 40 kA 8/20  $\mu$ s

Nominal Discharge Current (In), UL: 20 kA 8/20  $\mu$ s

Max Discharge Current (Imax), Per Phase: 300 kA 8/20  $\mu$ s

Impulse Current (Iimp), Per Mode: 25 kA 10/350  $\mu$ s

Voltage Protection Rating (VPR), L-N: 1,200 V @ 3 kA

Status Indication: LED;Mechanical flag;Audible alarm

Technology: TD technology with thermal disconnect;Over-current replaceable cartridge fusing

Surge Counter: Yes

Protection Modes: L-N;L-PE;N-PE

Remote Contacts: Yes

Lead Size: #10

Lead Length: 30"

Ground Lead Length: 36"

Temperature: -40 to 176 °F

Enclosure Material: Metal

Enclosure Rating: IP 20;NEMA®-1

Mounting: 3/4" straight nipple

Width (W): 10.320"

Height (H): 10.400"

Depth (D): 3 1/4"

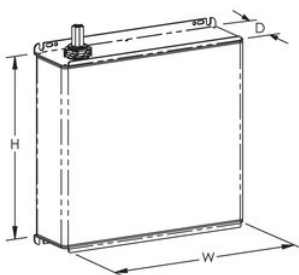
Unit Weight: 13 lb

Certification Details: UL® 1449 Edition 4 Type 1/2, 20 kA Mode

Complies With: ANSI®/IEEE® C62.41.2-2002 Scenario II, Exposure 3, 100 kA 8/20  $\mu$ s, 10 kA 10/350  $\mu$ s;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](http://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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