

MODULAR TDX PANEL PROTECTOR, 100 KA WITH SURGE COUNTER, 277/480 V UN, 3PH 4W+G DISTRIBUTION SYSTEM

CATALOG NUMBER

TDX100S277480



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 and short circuit current fusing

Compact NEMA®-4 enclosure design can be flush mounted or installed in a small space

Status indication flag per mode, voltage presence LEDs, audible alarm and voltage-free contacts providing remote status monitoring

100 kA 8/20 µs maximum surge rating provides protection suitable for main-distribution panels and an extended operational life

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 VAC

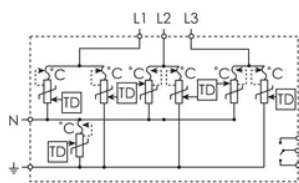
Frequency: 50 - 60 Hz

Short Circuit Current Rating (SCCR): 200 kA

Nominal Discharge Current (In), IEC: 40 kA 8/20 µs

Nominal Discharge Current (In), UL: 20 kA 8/20 μs
Max Discharge Current (Imax), Per Phase: 100 kA 8/20 μs
Impulse Current (Iimp), Per Mode: 12.5 kA 10/350 μs
Voltage Protection Rating (VPR), L-N: 1200 V @ 3 kA;1800 V @ 20 kA
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;EMI/RFI filter
Remote Contacts: Yes
Lead Length: 30"
Lead Size imperial: #10
Ground Lead Length: 36"
Temperature: -40 to 176 °F
Enclosure Material: Metal
Enclosure Rating: IP 65;NEMA®-4
Mounting: 3/4" straight nipple
Depth (D): 3.07"
Height (H): 9.45"
Width (W): 3.31"
Unit Weight: 3.1 lb
Certification Details: UL® 1449 Edition 5 Type 2, 20 kA Mode
Complies With: ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C;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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