

# **Modular TDX Panel Protector, 100 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 and short circuit current fusing

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

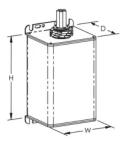
Status indication flag per mode, voltage presence LEDs, audible alarm and voltage-free contacts providing remote status monitoring

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

## **SPECIFICATIONS**

Catalog Number	TDX100M277/480TT
Nominal System Voltage (Un)	277/480 V
Distribution System	3Ph 4W+G (suitable for TT system)
Max Continuous Operating Voltage (Uc)	320/550 VAC
Stand-off Voltage	480/831 VAC

Catalog Number	TDX100M277/480TT
Frequency	50 - 60 Hz
Protection Modes	L-N N-PE
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	100kA 8/20 μs
Impulse Current (Iimp), Per Mode	12.5kA 10/350 μs
Voltage Protection Rating (VPR), L-N	1200 V @ 3 kA 1800 V @ 20 kA
Impulse Current (Iimp), N-PE	25kA 10/350 μs
Status Indication	LED Mechanical flag Audible alarm
Surge Counter	No
Technology	TD technology with thermal disconnect  Over-current replaceable cartridge fusing  EMI/RFI filter
Remote Contacts	Yes
Lead Length	762mm
Lead Size	5.26 mm²
Ground Lead Length	914mm
Temperature	-40 to 80 °C
Enclosure Material	Metal
Enclosure Rating	IP 65 NEMA®-4
Mounting	3/4" straight nipple
Depth (D)	78mm
Height (H)	240 mm
Width (W)	84 mm
Unit Weight	1.41 kg
Certification Details	UL® 1449 Edition 5 Type 1/2, 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 SGD125M



#### **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.

**North America** 

+1.800.753.9221 Option 1 – Customer Care Option 2 – Technical Support Europe

Netherlands: +31 800-0200135 France: +33 800 901 793 Europe

Germany: 800 1890272 Other Countries: +31 13 5835404 **APAC** 

Shanghai: + 86 21 2412 1618/19 Sydney:

+61 2 9751 8500



Our powerful portfolio of brands:

CADDY ERICO HOFFMAN ILS

ILSCO SCHROFF TRACHTE