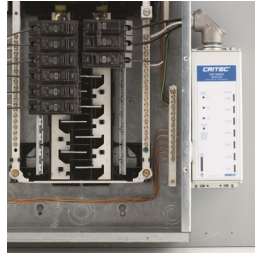
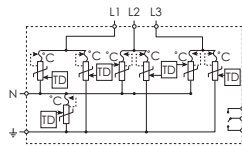
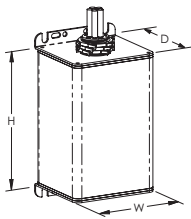


# Modular TDX Panel Protector, 100 kA with Surge Counter – TDX100S277480



- 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  $\mu$ s maximum surge rating provides protection suitable for main-distribution panels and an extended operational life



Part Number	TDX100S277480
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 $\mu$ s
Nominal Discharge Current (In), UL	20 kA 8/20 $\mu$ s
Max Discharge Current (Imax), Per Phase	100 kA 8/20 $\mu$ s
Impulse Current (Iimp), Per Mode	12.5 kA 10/350 $\mu$ s
Voltage Protection Rating (VPR), L-N	1,200 V @ 3 kA 1,800 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

Part Number	TDX100S277480
Lead Length	30"
Lead Size	#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 4 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
Certifications	CE C-Tick
Standard Packaging Quantity	1 pc
UPC	78285659385

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**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.erico.com](http://www.erico.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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