

Modular TDX Panel Protector, 100 kA with Surge Counter

Power Utilities



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

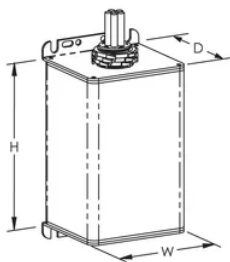
100 kA 8/20 μ s maximum surge rating provides protection suitable for main-distribution panels and an extended operational life

SPECIFICATIONS

Catalog Number	TDX100S120240
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Nominal System Voltage (Un)	120/240 V
Distribution System	1Ph 3W+G
Max Continuous Operating Voltage (Uc)	170/276 VAC
Stand-off Voltage	240/480 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
Impulse Current (Iimp), Per Mode	12.5 kA 10/350 µs
Voltage Protection Rating (VPR), L-N	600 V @ 3 kA 1,200 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	762 mm
Lead Size	5.26 mm ²
Ground Lead Length	914 mm
Temperature	-40 to 80 °C
Enclosure Rating	IP 65 NEMA®-4
Height (H)	240 mm
Width (W)	84 mm
Unit Weight	1.410 kg
Certification Details	UL® 1449 Edition 5 Type 2, 20 kA Mode
Replacement Module	TDS150M150

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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