



nVent TDX100M240D Erico Modular TDX Panel Protector Owner's Manual

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MODULAR TDX PANEL PROTECTOR, 100 KA, 240 VAC UN, 3PHΔ 3W+G DISTRIBUTION SYSTEM

CATALOG NUMBER



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

PRODUCT ATTRIBUTES

Service Configuration: Delta

Nominal System Voltage (Un): 240 VAC

Distribution System: 3Ph Δ 3W+G

Max Continuous Operating Voltage (Uc): 276 VAC

Stand-off Voltage: 415 VAC

Frequency: 50 – 60 Hz

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

Short Circuit Current Rating (SCCR): 200 kA

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

Nominal Discharge Current (In), UL: 20 kA 8/20 μ s

Max Discharge Current (Imax), Per Phase: 100 kA 8/20 μ s

Impulse Current (Iimp), Per Mode: 12.5 kA 10/350 μ s

Voltage Protection Rating (VPR), L-L: 1,000 V @ 3 kA; 1,800 V @ 20 kA

Status Indication: LED; Mechanical flag; Audible alarm

Surge Counter: No

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

Remote Contacts: Yes

Lead Size: #10

Lead Length: 30"

Ground Lead Length: 36"

Temperature: -40 to 176 °F

Enclosure Material: Metal

Enclosure Rating: IP 65; NEMA®-4

Mounting: 3/4" straight nipple

Width: 3.310"

Height: 9.450"

Depth: 3.070"

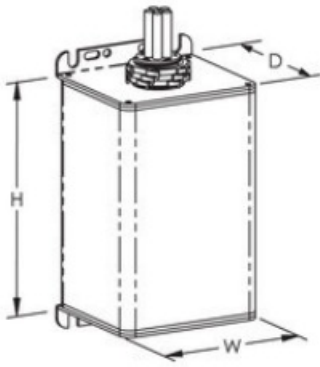
Unit Weight: 3.100 lb

Certification Details: UL® 1449 Edition 4 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 μ s, 10 kA 10/350 μ s; IEC® 61643-1 Class I, Class II

Replacement Module: TDS150M240

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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Documents / Resources

	<p>nVent TDX100M240D Erico Modular TDX Panel Protector [pdf] Owner's Manual TDX100M240D, Erico Modular TDX Panel Protector, TDX100M240D Erico Modular TDX Panel Protector, Modular TDX Panel Protector, TDX Panel Protector, Panel Protector, Protector</p>
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References

- [🔥 The Future of Connection and Protection | nVent](#)
- [🔥 The Future of Connection and Protection | nVent](#)