MODULAR TDX PANEL PROTECTOR, 100 KA WITH SURGE COUNTER, 120/240 V UN, 1PH 3W+G DISTRIBUTION SYSTEM

CATALOG NUMBER

TDX100S120240



CERTIFICATIONS

CE

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): 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 -s

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

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: 600 V @ 3 kA V; 1200 V @ 20 kA V

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: #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: 3.07"

Height: 9.45"

Width: 3.31"

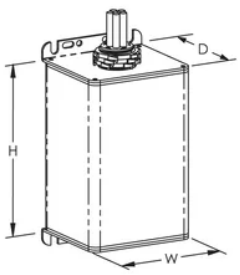
Unit Weight: 3.1 lb

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: 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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