

COMPACT TDX PANEL PROTECTOR, 50 KA, 277/480 V UN

CATALOG NUMBER

TDX50C277/480



CERTIFICATIONS



FEATURES

Transient Discriminating (TD) Technology provides increased service life

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

LED status indication and voltage-free contacts provide remote status monitoring

50kA 8/20µs maximum surge rating provides protection suitable for sub-distribution panels and a long operational life

PRODUCT ATTRIBUTES

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 µs

Nominal Discharge Current (In), UL: 10 kA 8/20 µs

Max Discharge Current (Imax), Per Phase: 50 kA 8/20 µs

Voltage Protection Rating (VPR), L-N: 1200 V @ 3 kA; 1800 V @ 20 kA

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

Remote Contacts: Yes

Status Indication: LED

Surge Counter: No

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

Lead Size imperial: #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): 6.02"

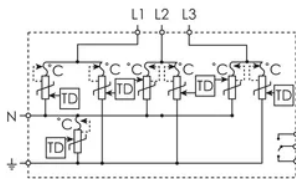
Width (W): 3.31"

Unit Weight: 1.54 lb

Certification Details: UL® 1449 Edition 5 Type 1/2, 10 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 2, 50 kA 8/20 µs;IEC® 61643-1 Class I, Class II

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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