MODULAR TDX PANEL PROTECTOR, 100 KA WITH SURGE COUNTER, 277/480 V UN, 3PH 4W+G DISTRIBUTION SYSTEM

CATALOG NUMBER

TDX100S277480



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): 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 -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: 1200 V @ 3 kA V; 1800 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 (D): 3.07"

Height (H): 9.45"

Width (W): 3.31"

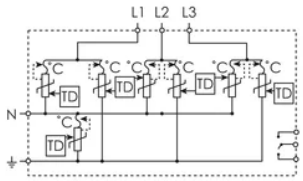
Unit Weight: 3.1 lb

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: TDS150M277

DIAGRAMS



WARNING

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