MODULAR TDX PANEL PROTECTOR, 200 KA WITH SURGE COUNTER, 277/480 V UN, 3PH 4W+G

CATALOG NUMBER

TDX200S277480



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
- 200kA 8/20µs maximum surge rating provides protection suitable for service entrance, main-distribution panels and highly exposed applications

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: 200 kA 8/20 µs

Impulse Current (Iimp), Per Mode: 25 kA 10/350 µs

Voltage Protection Rating (VPR), L-N: 1000 V @ 3 kA V; 1800 V @ 20 kA V

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

Status Indication: LED; Mechanical flag; Audible alarm

Technology: TD technology with thermal disconnect; Over-current replaceable cartridge fusing; EMI/RFI filter

Remote Contacts: Yes

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

Surge Counter: Yes

Depth (D): 3.07"

Height (H): 9.45"

Width (W): 5.12"

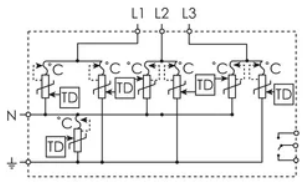
Unit Weight: 4.4 lb

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

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.

North America
+1.800.753.9221
Option 1 – Customer Care
Option 2 – Technical Support

Europe
Netherlands:
+31 800-0200135
France:
+33 800 901 793

Europe
Germany:
800 1890272
Other Countries:
+31 13 5835404

APAC
Shanghai:
+ 86 21 2412 1618/19
Sydney:
+61 2 9751 8500

Our powerful portfolio of brands:
nVent.com CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER

© 2023 nVent. All nVent marks and logos are owned or licensed by nVent Services GmbH or its affiliates. All other trademarks are the property of their respective owners.

nVent reserves the right to change specifications without notice.