

TRANSIENT DISCRIMINATING SURGE DIVERTER, 100 KA SINGLE MODE, 220-277 VAC UN

CATALOG NUMBER

TDS11002SR277



CERTIFICATIONS



FEATURES

TD Technology with thermal disconnect protection

Compact design fits into DIN distribution panel boards and motor control centers

Indication flags and voltage-free contacts provide remote status monitoring

Separate plug and base design facilitates replacement of a failed surge module

100kA 8/20 μ s maximum surge rating provides protection suitable for sub-distribution panels and a long operational life

PRODUCT ATTRIBUTES

Nominal System Voltage (Un): 220 - 277 VAC

Max Continuous Operating Voltage (Uc): 320 VAC

Stand-off Voltage: 480 VAC

Voltage Protection Rating (VPR): 1,000 V @ 3 kA; 1,600 V @ 20 kA

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

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

Impulse Current (I_{imp}): 12.50 kA 10/350 μs

Back-Up Overcurrent Protection: 125 A

Response Time: 5 ns Max

Short Circuit Current Rating (SCCR): 200 kA

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

Technology: TD technology with thermal disconnect

Frequency: 0 – 100 Hz

Connection, Solid: #2 Max

Connection, Stranded: #4 Max

Mounting: 35 mm top hat DIN rail

Enclosure Rating: IP 20;NEMA®-1

Enclosure Material: UL® 94V-0 Thermoplastic

Remote Contacts: Yes

Status Indication: Mechanical flag

Temperature: -40 to 176 °F

Module Width: 2 M

Width (W): 1.380"

Height (H): 3.540"

Depth (D): 2.680"

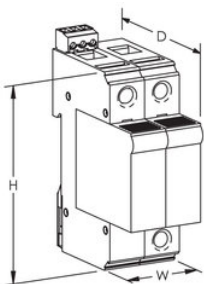
Unit Weight: 0.530 lb

Certification Details: UL® 1449 Edition 4 Type 4CA, 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.

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