

TRANSIENT DISCRIMINATING SURGE DIVERTER, 20 KA 3 MODE, 120 V, REMOTE CONTACTS

CATALOG NUMBER

TDS1301TR150



CERTIFICATIONS



FEATURES

20 kA 8/20 μ s surge rating provides robust surge protection

TD Technology with thermal disconnect protection

Compact package, modular DIN rail mounting for limited space requirements

Three modes of protection: L-N, L-PE and N-PE

Indication flags and voltage-free contacts provide remote status monitoring

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

PRODUCT ATTRIBUTES

Nominal System Voltage (U_n): 120 - 150 VAC

Max Continuous Operating Voltage (U_c): 170 VAC

Stand-off Voltage: 230 VAC

Voltage Protection Rating (VPR): 800 V @ 3 kA L-N; 500 V @ 3 kA L+N-PE

Nominal Discharge Current (I_n), Per Mode: 8 kA 8/20 μ s

Max Discharge Current (Imax): 20 kA 8/20 μ s L-N;20 kA 8/20 μ s L-PE

Short Circuit Current Rating (SCCR): 200 kA

Back-Up Overcurrent Protection: 63 A

Frequency: 0 – 100 Hz

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

Response Time: 5 ns Max

Technology: TD technology with thermal disconnect

Connection, Solid: #10 Max

Connection, Stranded: #10 Max

Connection, PE Stranded: #4 Max

Connection, PE Solid: #2 Max

Mounting: 35 mm top hat DIN rail

Enclosure Material: UL® 94V-0 Thermoplastic

Enclosure Rating: IP 20;NEMA®-1

Remote Contacts: Yes

Status Indication: Mechanical flag

Temperature: -40 to 176 °F

Module Width: 1 M

Depth (D): 2.680"

Height (H): 3.540"

Width (W): 0.710"

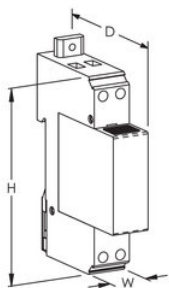
Unit Weight: 0.260 lb

Certification Details: UL® 1449 Edition 5 Type 4CA

Complies With: ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B;IEC® 61643-1 Class III

Replacement Module: TDS130M150

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



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