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We connect and protect

Transient Discriminating Surge Diverter, 20 kA Three Mode, 220-240 VAC Un, Remote Contacts

CATALOG NUMBER

TDS1301TR240

CERTIFICATIONS

FEATURES

- 20 kA 8/20 µs 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 (Un): 220 - 240 VAC
- Max Continuous Operating Voltage (Uc): 275 VAC
- Stand-off Voltage: 440 VAC
- Voltage Protection Rating (VPR): 1500 V @ 3 kA L-N;800 V @ 3 kA L+N-PE

Nominal Discharge Current (In), Per Mode: 8kA 8/20 µs

Max Discharge Current (Imax), L-N: 20kA 8/20 µs

Max Discharge Current (Imax), L-PE: 20kA 8/20 µs

Back-Up Overcurrent Protection: 63A

Short Circuit Current Rating (SCCR): 200kA

Frequency: 0 - 100 Hz

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

Response Time: 5 ns Max

Technology: TD technology with thermal disconnect

Connection, PE Solid: 2 Max

Connection, PE Stranded: 4 Max

Connection, Solid: 6 mm² Max

Connection, Solid: #10 max

Connection, Stranded: #10 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): 2.68

Height (H): 3.54"

Width (W): 0.71"

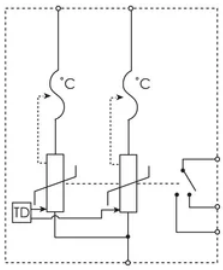
Unit Weight: 0.26 lb

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: TDS130M240

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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