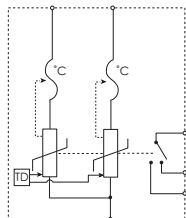
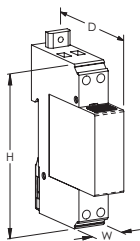


# Transient Discriminating Surge Diverter, 20 kA Three Mode – TDS1301TR150



- 20 kA 8/20  $\mu$ 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



|  |   |
|--|---|
| Part Number                              | TDS1301TR150                                      |
| Nominal System Voltage (Un)              | 120 - 150 VAC                                     |
| Max Continuous Operating Voltage (Uc)    | 170 VAC   |
| Stand-off Voltage                        | 230 VAC   |
| Voltage Protection Rating (VPR)          | 800 V @ 3 kA L-N<br>500 V @ 3 kA L+N-PE           |
| Nominal Discharge Current (In), Per Mode | 8 kA 8/20 $\mu$ s                                 |
| Max Discharge Current (Imax)             | 20 kA 8/20 $\mu$ s L-N<br>20 kA 8/20 $\mu$ s L-PE |
| Back-Up Overcurrent Protection           | 63 A  |
| Short Circuit Current Rating (SCCR)      | 200 kA  |
| Frequency                                | 0 - 100 Hz  |
| Protection Modes                         | L-N<br>L-PE<br>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                        | #10 Max   |
| Connection, Stranded                     | #10 Max   |
| Mounting                                 | 35 mm top hat DIN rail                            |
| Enclosure Material                       | UL® 94V-0 Thermoplastic                           |
| Enclosure Rating                         | IP 20<br>NEMA®-1                                  |

|                             |  |
|-----------------------------|--|
| Part Number                 | TDS1301TR150   |
| 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 3 Type 2, 3 kA Mode                             |
| Complies With               | ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B<br>IEC® 61643-1 Class III |
| Replacement Module          | TDS130M150   |
| Certifications              | cURus<br>Qualifoudre   |
| Standard Packaging Quantity | 1 pc   |
| UPC                         | 78285662175  |
| EAN-13                      | 8711893097115  |

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