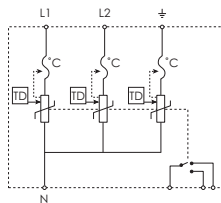
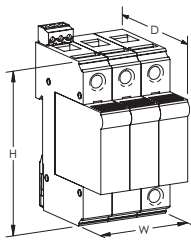


Transient Discriminating Surge Diverter, 50 kA Three Mode – TDS50120/240



- 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
- 50kA 8/20µs maximum surge rating provides protection suitable for sub-distribution panels and a long operational life



Part Number	TDS50120/240
Nominal System Voltage (Un)	120 - 150 VAC
Max Continuous Operating Voltage (Uc)	170/340 VAC
Stand-off Voltage	240/480 VAC
Voltage Protection Rating (VPR)	600 V @ 3 kA 1,000 V @ 25 kA
Nominal Discharge Current (In)	25 kA 8/20 µs
Max Discharge Current (Imax)	50 kA 8/20 µs
Back-Up Overcurrent Protection	125 A
Short Circuit Current Rating (SCCR)	200 kA
Frequency	0 - 100 Hz
Protection Modes	L-N N-PE L-L
Response Time	5 ns Max
Technology	TD technology with thermal disconnect
Connection, Solid	#2 Max
Connection, Stranded	#4 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

Part Number	TDS50120/240
Module Width	3 M
Depth (D)	2.68"
Height (H)	3.54"
Width (W)	2.07"
Unit Weight	0.79 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 2, 50 kA 8/20 µs IEC® 61643-1 Class II
Replacement Module	TDS150M150
Certifications	cURus
Standard Packaging Quantity	1 pc
UPC	78285644044
EAN-13	8711893046311

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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.erico.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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