TRANSIENT DISCRIMINATING MOVTEC, 230-277 V UN, 80 KA 8/20 MS NOMINAL DISCHARGE CURRENT (IN), PER MODE

CATALOG NUMBER

TDSMT277



CERTIFICATIONS

FEATURES

- Transient Discriminating (TD) Technology provides increased service life
- Built-in features include TD Technology, thermal protection and short circuit current fusing
- LED status indication and voltage-free contacts provide remote status monitoring
- 100 kA 8/20 µs maximum surge rating provides protection suitable for smaller main-distribution panels and an extended operational life

PRODUCT ATTRIBUTES

- Nominal System Voltage (Un): 230 - 277 V
- Nominal Discharge Current (In), Per Mode: 80 kA 8/20 µs
- Max Continuous Operating Voltage (Uc): 400 VAC
- Stand-off Voltage: 480 V
- Frequency: 50 - 60 Hz
- Connection, Stranded: #6 max
- Impulse Current (Iimp): 20 kA 10/350 µs
- Max Discharge Current (Imax), Per Mode: 100 kA 8/20 µs
- Voltage Protection Rating (VPR): 700 V @ 3 kA;980 V @ 20 kA
- Aggregate Surge Rating: 200 kA 8/20 -s

Back-Up Overcurrent Protection: 100 A

Max Operating Current: 25 mA

Protection Modes: Single

Status Indication: 5 segment LED bar graph per phase

Technology: TD technology with thermal disconnect

Temperature: -31 to 131 °F

Enclosure Material: UL® 94V-0 Thermoplastic

Enclosure Rating: IP 20;NEMA®-1

Depth (D): 5.51"

Height (H): 5.91"

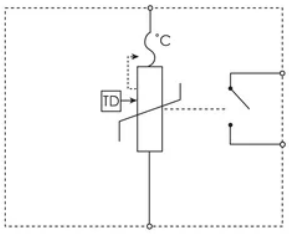
Width (W): 1.77"

Unit Weight: 1.32 lb

Certification Details: UL® 1449 Edition 3 Recognized Component Type 2

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

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

Our powerful portfolio of brands:
nVent.com CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER

© 2024 nVent. All nVent marks and logos are owned or licensed by nVent Services GmbH or its affiliates. All other trademarks are the property of their respective owners.
nVent reserves the right to change specifications without notice.