

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 μ s 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: 80kA 8/20 μ s

Max Continuous Operating Voltage (Uc): 400 VAC

Stand-off Voltage: 480 V

Frequency: 50 - 60 Hz

Connection, Stranded: #6 max

Impulse Current (Iimp): 20kA 10/350 μ s

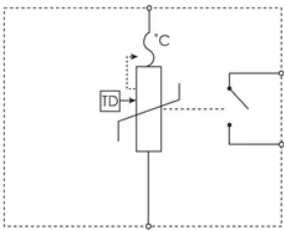
Max Discharge Current (Imax), Per Mode: 100kA 8/20 μ s

Voltage Protection Rating (VPR): 700 V @ 3 kA; 980 V @ 20 kA

Aggregate Surge Rating: 200

Back-Up Overcurrent Protection: 100A
Max Operating Current: 25mA
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.

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