

Transient Discriminating MOVTEC, 230-277 V Un, 80 kA 8/20 μ s 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

Article Number: 700230

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: 16 mm² Max

Impulse Current (I_{imp}): 20kA 10/350 μs

Max Discharge Current (I_{max}), Per Mode: 100kA 8/20 μs

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: -35 to 55 °C

Enclosure Material: UL® 94V-0 Thermoplastic

Enclosure Rating: IP 20; NEMA®-1

Depth (D): 140mm

Height (H): 150 mm

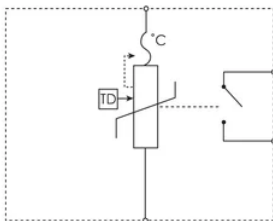
Width (W): 45 mm

Unit Weight: 0.6 kg

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:

CADDY

ERICO

HOFFMAN

ILSCO

SCHROFF

TRACHTE