

Service Entrance Suppressor with Triggered Spark Gap, 200 kA



FEATURES

Primary protection suitable for high exposure sites and point-of-entry facility protection

Modular design allows easy replacement of surge modules

Five segment electronic status indication displays percentage of capacity remaining

Lug connection allows Kelvin (in and out) connection of large cables

Transient Discriminating (TD) Technology provides increased service life

SPECIFICATIONS

Catalog Number	TDSMPM277
Article Number	700250
Nominal System Voltage (Un)	240/415 V 277/480 V
Distribution System	3Ph Y 4W+G
Max Continuous Operating Voltage (Uc)	400/692 VAC
Stand-off Voltage, L-N	480/831 V
Stand-off Voltage, N-PE	440 V
Frequency	50 - 60 Hz
Nominal Discharge Current (In), Per Mode	80kA 8/20 μs
Max Discharge Current (Imax), L-N	100kA 8/20 μs

Catalog Number	TDSMPM277
Max Discharge Current (I _{max}), N-PE	130kA 8/20 μs
Impulse Current (I _{imp}), L-N	20kA 10/350 μs
Impulse Current (I _{imp}), N-PE	50kA 10/350 μs
Aggregate Surge Rating	200
Back-Up Overcurrent Protection	100A
Max Operating Current	25mA
Protection Modes	All modes protected
Status Indication	5 segment LED bar graph per phase
System Compatibility	TN-C TN-C-S TN-S TT
Technology, L-N	TD MOV/Silicon
Technology, N-PE	Triggered Spark Gap
Voltage Protection Level (Up)	750 V @ 3 kA L-N 1500 V @ 3 kA N-PE 980 V @ 20 kA L-N 2300 V @ 20 kA N-PE
Lead Size	16 mm ² Max
Temperature	-35 to 55 °C
Enclosure Material	Metal
Enclosure Rating	IP 33 NEMA®-3R
Mounting	Wall mount
Unit Weight	5 kg
Complies With	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C
Depth	170mm
Height	306 mm
Width	241 mm

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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