

# Replacement Module for UTB, Single Pair



## CERTIFICATIONS



## FEATURES

Multi-stage protection and fine over-voltage protection helps ensure lowest residual surge voltages reach sensitive equipment

Common-mode and differential-mode protection protects against both possible surge conditions

Surge rating to 20 kA 8/20  $\mu$ s is ideal for exposed wiring

## SPECIFICATIONS

Table 1/2

Catalog Number	UTB60SPM	UTB5SPM	UTB110SPM	UTB30SPM	UTB15SPM
Article Number	702871	702867	702872	702869	702868
Nominal System Voltage (Un)	21 - 42 VAC 30 - 60 VDC	0 - 3 VAC 0 - 5 VDC	100 - 120 VAC 60 - 154 VDC	10 - 21 VAC 15 - 30 VDC	3 - 10 VAC 5 - 15 VDC
Max Continuous Operating Voltage (Uc)	45 VAC 64 VDC	5 VAC 7 VDC	150 VAC 170 VDC	23 VAC 33 VDC	12 VAC 18 VDC
Rated Load Current (IL)	2A	2A	2A	2A	2A

Catalog Number	UTB60SPM	UTB5SPM	UTB110SPM	UTB30SPM	UTB15SPM
Frequency	3 MHz	0.5 MHz	3 MHz	2 MHz	1 MHz
Loop Resistance	1 Ω	1 Ω	1 Ω	1 Ω	1 Ω
Max Discharge Current (Imax), L+L-PE	20kA 8/20 μs	20kA 8/20 μs	20kA 8/20 μs	20kA 8/20 μs	20kA 8/20 μs
Protection Modes	Common Differential	Common Differential	Common Differential	Common Differential	Common Differential
Technology	Gas Discharge Tube (GDT) Metal Oxide Varistor (MOV) Silicon Avalanche Diode (SAD)	Gas Discharge Tube (GDT) Metal Oxide Varistor (MOV) Silicon Avalanche Diode (SAD)	Gas Discharge Tube (GDT) Metal Oxide Varistor (MOV) Silicon Avalanche Diode (SAD)	Gas Discharge Tube (GDT) Metal Oxide Varistor (MOV) Silicon Avalanche Diode (SAD)	Gas Discharge Tube (GDT) Metal Oxide Varistor (MOV) Silicon Avalanche Diode (SAD)
Voltage Protection Level (Up), L-L	85 V @ 3 kA	10 V @ 3 kA	220 V @ 3 kA	44 V @ 3 kA	25 V @ 3 kA
Temperature	-20 to 65 °C	-20 to 65 °C	-20 to 65 °C	-20 to 65 °C	-20 to 65 °C
Enclosure Material	UL® 94V-0 Thermoplastic	UL® 94V-0 Thermoplastic	UL® 94V-0 Thermoplastic	UL® 94V-0 Thermoplastic	UL® 94V-0 Thermoplastic
Depth (D)	52mm	52mm	52mm	52mm	52mm
Height (H)	43 mm	43 mm	43 mm	43 mm	43 mm
Width (W)	12 mm	12 mm	12 mm	12 mm	12 mm

Table 2/2

Catalog Number	UTB60SPM	UTB5SPM	UTB110SPM	UTB30SPM	UTB15SPM
Unit Weight	0.02 kg	0.02 kg	0.02 kg	0.02 kg	0.02 kg
Complies With	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C

## 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](http://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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