

# 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<br>30 - 60 VDC | 0 - 3 VAC<br>0 - 5 VDC | 100 - 120 VAC<br>60 - 154 VDC | 10 - 21 VAC<br>15 - 30 VDC | 3 - 10 VAC<br>5 - 15 VDC |
| Max Continuous Operating Voltage (Uc) | 45 VAC<br>64 VDC           | 5 VAC<br>7 VDC         | 150 VAC<br>170 VDC            | 23 VAC<br>33 VDC           | 12 VAC<br>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)<br>Metal Oxide Varistor (MOV)<br>Silicon Avalanche Diode (SAD) | Gas Discharge Tube (GDT)<br>Metal Oxide Varistor (MOV)<br>Silicon Avalanche Diode (SAD) | Gas Discharge Tube (GDT)<br>Metal Oxide Varistor (MOV)<br>Silicon Avalanche Diode (SAD) | Gas Discharge Tube (GDT)<br>Metal Oxide Varistor (MOV)<br>Silicon Avalanche Diode (SAD) | Gas Discharge Tube (GDT)<br>Metal Oxide Varistor (MOV)<br>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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