

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 μ 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 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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