

# Replacement Module for UTB, Modem/Telephone



## CERTIFICATIONS



## FEATURES

General purpose barrier provides protection of low-voltage circuits and transducers

Separate plug and base design allows hot swappable module replacement

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

## SPECIFICATIONS

| Catalog Number                         | UTBTM              | UTBSM             |
|----------------------------------------|--------------------|-------------------|
| Article Number                         | 702855             | 702865            |
| Rated Load Current (IL)                | 160mA              | 160mA             |
| Frequency                              | 15 MHz             | 15 MHz            |
| Loop Resistance                        | 1 $\Omega$         | 1 $\Omega$        |
| Max Discharge Current (Imax), Per Mode | 0.5kA 8/20 $\mu$ s | 20kA 8/20 $\mu$ s |

| Catalog Number                     | UTBTM                                         | UTBSM                                         |
|------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Technology                         | Gas Discharge Tube (GDT)<br>PTC               | Gas Discharge Tube (GDT)<br>PTC               |
| Voltage Protection Level (Up), L-L | 480 V @ 3 kA                                  | 340 V @ 3 kA                                  |
| Temperature                        | -20 to 65 °C                                  | -20 to 65 °C                                  |
| Enclosure Material                 | UL® 94V-0 Thermoplastic                       | UL® 94V-0 Thermoplastic                       |
| Depth (D)                          | 49mm                                          | 49mm                                          |
| Height (H)                         | 45 mm                                         | 45 mm                                         |
| Width (W)                          | 18 mm                                         | 18 mm                                         |
| Unit Weight                        | 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 |

## 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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