

# Universal Transient Barrier, 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

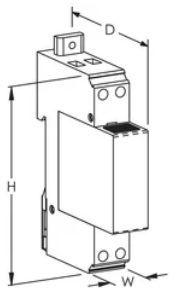
Multi-stage protection and fine over-voltage protection helps ensure lowest residual surge voltages reach sensitive equipment

## SPECIFICATIONS

| Catalog Number                         | UTBTA                           |
|----------------------------------------|---------------------------------|
| Article Number                         | 702850                          |
| Max Continuous Operating Voltage (Uc)  | 280 V                           |
| Rated Load Current (IL)                | 160mA                           |
| Frequency                              | 15 MHz                          |
| Loop Resistance                        | 1 $\Omega$                      |
| Max Discharge Current (Imax), Per Mode | 0.5kA 8/20 $\mu$ s              |
| Technology                             | Gas Discharge Tube (GDT)<br>PTC |

| Catalog Number                     | UTBTA                                         |
|------------------------------------|-----------------------------------------------|
| Voltage Protection Level (Up), L-L | 480 V @ 3 kA                                  |
| Connection, Stranded               | 1 - 4 mm <sup>2</sup>                         |
| Mounting                           | 35 mm top hat DIN rail                        |
| Temperature                        | -20 to 65 °C                                  |
| Enclosure Material                 | UL® 94V-0 Thermoplastic                       |
| Enclosure Rating                   | IP 20<br>NEMA®-1                              |
| Depth (D)                          | 68mm                                          |
| Height (H)                         | 90 mm                                         |
| Width (W)                          | 18 mm                                         |
| Unit Weight                        | 0.1 kg                                        |
| Certification Details              | UL® 497A                                      |
| Complies With                      | ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C |
| Replacement Module                 | UTBTM                                         |

## 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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