

# Universal Transient Barrier, Dual Pair Single Power



## CERTIFICATIONS



## FEATURES

Compact design universal transient 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

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

Designed for compact protection of signal and power supply in one compact housing

## SPECIFICATIONS

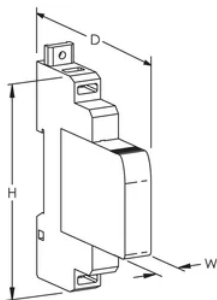
| Catalog Number                        | UTB30DPS                   |
|---------------------------------------|----------------------------|
| Article Number                        | 702892                     |
| Nominal System Voltage (Un)           | 24 - 48 VAC<br>12 - 60 VDC |
| Max Continuous Operating Voltage (Uc) | 48 VAC<br>60 VDC           |

| Catalog Number                         | UTB30DPS                                                                                |
|----------------------------------------|-----------------------------------------------------------------------------------------|
| Rated Load Current (IL)                | 5A                                                                                      |
| Frequency                              | 0 - 60 Hz                                                                               |
| Loop Resistance                        | 0 $\Omega$                                                                              |
| Max Discharge Current (Imax), Per Mode | 15kA 8/20 $\mu$ s                                                                       |
| Protection Modes                       | Common<br>Differential                                                                  |
| Technology                             | Gas Discharge Tube (GDT)<br>Metal Oxide Varistor (MOV)<br>Silicon Avalanche Diode (SAD) |
| Voltage Protection Level (Up), L-L     | 220 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)                              | 85mm                                                                                    |
| Height (H)                             | 90 mm                                                                                   |
| Width (W)                              | 12 mm                                                                                   |
| Unit Weight                            | 0.09 kg                                                                                 |
| Certification Details                  | UL® 497B                                                                                |
| Complies With                          | ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C                                           |
| Replacement Module                     | UTB30DPSM                                                                               |

## ADDITIONAL PRODUCT DETAILS

The electrical specifications shown are specific to the power supply (PS) circuit of the product.

## 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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