We connect and protect

Universal Transient Barrier, Single Pair, 0-3 VAC, 0-5 VDC Un

CATALOG NUMBER

UTB5SP

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
- Surge rating to 20 kA 8/20 µs is ideal for exposed wiring
- Allows for protection of 25 analog signals or 50 digital signals per linear foot (0,3 m) of DIN rail space

PRODUCT ATTRIBUTES

- Nominal System Voltage (Un): 0 - 3 VAC;0 - 5 VDC
- Max Continuous Operating Voltage (Uc): 5 VAC;7 VDC
- Rated Load Current (IL): 2A
- Frequency: 0.5 MHz

Loop Resistance: 1 Ω

Max Discharge Current (Imax), L+L-PE: 20kA 8/20 µs

Protection Modes: Common;Differential

Technology: Gas Discharge Tube (GDT);Metal Oxide Varistor (MOV);Silicon Avalanche Diode (SAD)

Voltage Protection Level (Up), L-L: 10 V @ 3 kA

Connection, Stranded: #18 min

Mounting: 35 mm top hat DIN rail

Temperature: -4 to 149 °F

Enclosure Material: UL® 94V-0 Thermoplastic

Enclosure Rating: IP 20;NEMA®-1

Depth (D): 2.83

Height (H): 3.54"

Width (W): 0.47"

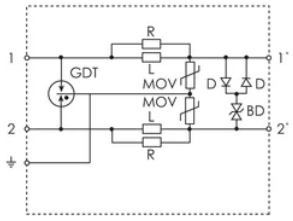
Unit Weight: 0.15 lb

Certification Details: UL® 497B

Complies With: ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C

Replacement Module: UTB5SPM

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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