We connect and protect

Universal Transient Barrier, Dual Pair

CERTIFICATIONS

FEATURES

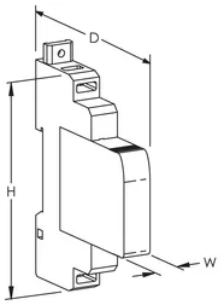
- Compact design universal transient barrier provides protection of low-voltage circuits and transducers
- Separate plug and base design allows hot swappable module replacement
- Multi-stage protection and fine over-voltage protection helps ensure lowest residual surge voltages reach sensitive equipment
- 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

SPECIFICATIONS

Catalog Number	**UTB110DP**	**UTB30DP**	**UTB5DP**	**UTB60DP**
Article Number	702891	702888	702886	702889
Nominal System Voltage (Un)	100 - 120 VAC 60 - 154 VDC	10 - 21 VAC 15 - 30 VDC	0 - 3 VAC 0 - 5 VDC	21 - 42 VAC 30 - 60 VDC
Max Continuous Operating Voltage (Uc)	150 VAC 170 VDC	23 VAC 33 VDC	5 VAC 7 VDC	45 VAC 64 VDC

Catalog Number	UTB110DP	UTB30DP	UTB5DP	UTB60DP
Rated Load Current (IL)	800mA	800mA	800mA	800mA
Frequency	3 MHz	2 MHz	0.5 MHz	3 MHz
Loop Resistance	0.6 Ω	0.6 Ω	0.6 Ω	0.6 Ω
Max Discharge Current (Imax), L+L-PE	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
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)
Voltage Protection Level (Up), L-L	220 V @ 3 kA	44 V @ 3 kA	10 V @ 3 kA	85 V @ 3 kA
Connection, Stranded	1 - 4 mm²	1 - 4 mm²	1 - 4 mm²	1 - 4 mm²
Mounting	35 mm top hat DIN rail	35 mm top hat DIN rail	35 mm top hat DIN rail	35 mm top hat DIN rail
Temperature	-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
Enclosure Rating	IP 20 NEMA®-1	IP 20 NEMA®-1	IP 20 NEMA®-1	IP 20 NEMA®-1
Depth (D)	85mm	85mm	85mm	85mm
Height (H)	90 mm	90 mm	90 mm	90 mm
Width (W)	12 mm	12 mm	12 mm	12 mm
Unit Weight	0.09 kg	0.09 kg	0.09 kg	0.09 kg
Certification Details	UL® 497B	UL® 497B	UL® 497B	UL® 497B
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
Replacement Module	UTB110DPM	UTB30DPM	UTB5DPM	UTB60DPM

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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