

Replacement Module for UTB, Intrinsic Safe



CERTIFICATIONS



FEATURES

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

Surge rating to 20 kA 8/20 μ s is ideal for exposed wiring

For use in intrinsically safe areas

SPECIFICATIONS

Catalog Number	UTB30MEX	UTB15MEX
Nominal System Voltage (Un)	10 - 21 VAC 15 - 30 VDC	3 - 10 VAC 5 - 15 VDC
Max Continuous Operating Voltage (Uc)	23 VAC 33 VDC	12 VAC 17 VDC
Rated Load Current (IL)	80mA	400mA
Frequency	2 MHz	1 MHz
Loop Resistance	1 Ω	1 Ω
Max Discharge Current (Imax), Per Mode	20kA 8/20 μs	20kA 8/20 μs

Catalog Number	UTB30MEX	UTB15MEX
Protection Modes	Common Differential	Common Differential
Technology	Gas Discharge Tube (GDT) Silicon Avalanche Diode (SAD)	Gas Discharge Tube (GDT) Silicon Avalanche Diode (SAD)
Voltage Protection Level (Up), L-L	44 V @ 3 kA	25 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 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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