

DT PANEL PROTECTOR, 240 KA TT



The nVent ERICO DTX240 Series of Surge Protective Devices (SPD) features Worldwide standards compliance and provides premium protection against damaging transients and surge currents, particularly in IEC Class I & Class II and UL Type 1 & Type 2 locations. The innovative design allows for installation on the line or load of the service panels and removes the need for circuit breakers (B Version Only). With a 240 kA per phase surge rating, DTX240 is well suited for category C locations. It is typically used in applications including service entrances, distribution, branch panels, MCC, lighting panels, HVAC, and more. The nVent ERICO DTX240 also features a NEMA®-4X enclosure rating, making it suitable for outdoor applications.

FEATURES

Excellent clamping and low UL voltage protection ratings

Features relay alarming for power/phase loss and status of SPD health

Design allows for easy removal and replacement of surge modules via lever assist

RS-485 Interface Standard

Up to 53 dB attenuation (10 kHz to 100 MHz), F Version Only

10-Year Warranty

SPECIFICATIONS

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Catalog Number	Nominal System Voltage (Un)	Max Continuous Operating Voltage (Uc)	Distribution System	Max Discharge Current (Imax), N-PE	Impulse Current (Iimp), Per Mode	Impulse Current (Iimp), N-PE
DTX240B400TT	230/400 V	300/520 VAC	3Ph 4W+G	240kA 8/20 µs	17.5kA 10/350 µs	70kA 10/350 µs
DTX240F400TT	230/400 V	300/520 VAC	3Ph 4W+G	240kA 8/20 µs	17.5kA 10/350 µs	70kA 10/350 µs

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Catalog Number	Frequency	Filtering	Max Discharge Current (Imax), Per Phase	Protection Modes	Nominal Discharge Current (In), IEC, N-PE	Nominal Discharge Current (In), IEC
DTX240B400TT	50 – 60Hz		240kA 8/20 μ s	L-N, L-PE, N-PE	100kA 8/20 μ s	40kA 8/20 μ s
DTX240F400TT	50 – 60Hz	-29 dB @ 100 kHzdB	240kA 8/20 μ s	L-N, L-PE, N-PE	100kA 8/20 μ s	40kA 8/20 μ s

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Catalog Number	Temperature	Mounting	Enclosure Material	Enclosure Rating	Lead Size	Status Indication
DTX240B400TT	-40 to 80°C	Hoffman Mounting Hardware Included	Metal	NEMA®-4X, UL® 50E Type 4, IP66	2 – 13mm ²	Audible alarm with silence switch, Dual color status LED, flashing red for faults, Mechanical flag, OLED Display, Mechanical flag, Surge/TOV Counter, Resettable
DTX240F400TT	-40 to 80°C	Hoffman Mounting Hardware Included	Metal	NEMA®-4X, UL® 50E Type 4, IP66	2 – 13mm ²	Audible alarm with silence switch, Dual color status LED, flashing red for faults, Mechanical flag, OLED Display, Mechanical flag, Surge/TOV Counter, Resettable

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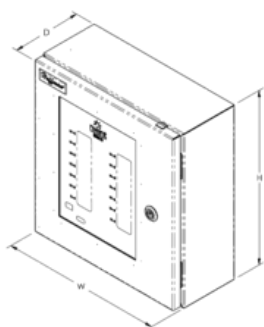
Catalog Number	Remote Contacts	Remote Contact Switching Capacity	Voltage Protection Level (Up), IEC	Short Circuit Current Rating (Iscrr)	Technology	Complies With
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DTX240B400TT	Yes (Form C)	2.0 A @ 240 V	1200 V @ 20 kA, 3000 V @ 100 kA	50kA	Hybrid technology utilizing thermal disconnects	EN 61643-11 Type 1, Type 2, IEC® 61643-1 Class I, Class II, ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C, ANSI®/IEEE® C62.41.1-2002 Cat A, Cat B, Cat C, ANSI®/IEEE® C62.45-2002 Cat A, Cat B, Cat C
DTX240F400TT	Yes (Form C)	2.0 A @ 240 V	1200 V @ 20 kA, 3000 V @ 100 kA	50kA	Hybrid technology utilizing thermal disconnects	EN 61643-11 Type 1, Type 2, IEC® 61643-1 Class I, Class II, ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C, ANSI®/IEEE® C62.41.1-2002 Cat A, Cat B, Cat C

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Catalog Number	Height (H)	Width (W)	Depth (D)	Unit Weight	Replacement Module
DTX240B400TT	355.1mm	329.9mm	140.2mm	9.75kg	DT1300M, SGT1100M
DTX240F400TT	355.1mm	329.9mm	140.2mm	9.75kg	DT1300M, SGT1100M

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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