

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

Table 1/5

Catalog Number	Nominal System Voltage (Un)	Distribution System	Max Continuous Operating Voltage (Uc)	Nominal Discharge Current (In), IEC	Nominal Discharge Current (In), IEC, N-PE	Max Discharge Current (Imax), N-PE
DTX240B400TT	230/400 V	3Ph 4W+G	300/520 VAC	40kA 8/20 µs	100kA 8/20 µs	240kA 8/20 µs
DTX240F400TT	230/400 V	3Ph 4W+G	300/520 VAC	40kA 8/20 µs	100kA 8/20 µs	240kA 8/20 µs

Table 2/5

Catalog Number	Max Discharge Current (Imax), Per Phase	Impulse Current (Iimp), Per Mode	Impulse Current (Iimp), N-PE	Filtering	Frequency	Protection Modes
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DTX240B400TT	240kA 8/20 μ s	17.5kA 10/350 μ s	70kA 10/350 μ s		50 - 60 Hz	L-N, L-PE, N-PE
DTX240F400TT	240kA 8/20 μ s	17.5kA 10/350 μ s	70kA 10/350 μ s	-29 dB @ 100 kHz	50 - 60 Hz	L-N, L-PE, N-PE

Table 3/5

Catalog Number	Temperature	Mounting	Enclosure Material	Enclosure Rating	Lead Size	Remote Contact Switching Capacity
DTX240B400TT	-40 to 80 °C	Hoffman Mounting Hardware Included	Metal	NEMA®-4X, UL® 50E Type 4, IP66	2 - 13 mm ²	2.0 A @ 240 V
DTX240F400TT	-40 to 80 °C	Hoffman Mounting Hardware Included	Metal	NEMA®-4X, UL® 50E Type 4, IP66	2 - 13 mm ²	2.0 A @ 240 V

Table 4/5

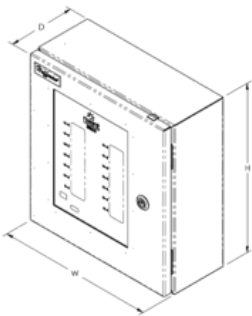
Catalog Number	Remote Contacts	Short Circuit Current Rating (Iscrr)	Status Indication	Technology	Voltage Protection Level (Up), IEC	Complies With
DTX240B400TT	Yes (Form C)	50kA	Audible alarm with silence switch, Dual color status LED, flashing red for faults, Mechanical flag, OLED Display, Mechanical flag, Surge/TOV Counter, Resettable	Hybrid technology utilizing thermal disconnects	1200 V @ 20 kA, 3000 V @ 100 kA	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

CatalogNumber	Remote Contacts	Short Circuit Current Rating (Iscrr)	Status Indication	Technology	Voltage Protection Level (Up), IEC	Complies With
DTX240F400TT	Yes (Form C)	50kA	Audible alarm with silence switch, Dual color status LED, flashing red for faults, Mechanical flag, OLED Display, Mechanical flag, Surge/TOV Counter, Resettable	Hybrid technology utilizing thermal disconnects	1200 V @ 20 kA, 3000 V @ 100 kA	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

Table 5/5

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