We connect and protect

DT Panel Protector, 240 kA, Filter, 230/400 V, 3Ph+N TT System

Data Solutions

CATALOG NUMBER

DTX240F400TT

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

PRODUCT ATTRIBUTES

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

Max Discharge Current (Imax), Per Phase: 240kA 8/20 µs

Impulse Current (Iimp), Per Mode: 17.5kA 10/350 µs

Impulse Current (Iimp), N-PE: 70kA 10/350 µs

Filtering: -29 dB @ 100 kHzdB

Frequency: 50 – 60Hz

Protection Modes: L-N; L-PE; N-PE

Temperature: −40 to 80°C

Mounting: Hoffman Mounting Hardware Included

Enclosure Material: Metal

Enclosure Rating: NEMA®-4X; UL® 50E Type 4; IP66

Lead Size: 2 – 13mm²

Remote Contact Switching Capacity: 2.0 A @ 240 V

Remote Contacts: Yes (Form C)

Short Circuit Current Rating (Isccr): 50kA

Status Indication: Audible alarm with silence switch; Dual color status LED, flashing red for faults; Mechanical flag; OLED Display; Mechanical flag; Surge/TOV Counter, Resettable

Technology: Hybrid technology utilizing thermal disconnects

Voltage Protection Level (Up), IEC: 1200 V @ 20 kA; 3000 V @ 100 kA

Complies With: 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

Depth (D): 140.2mm

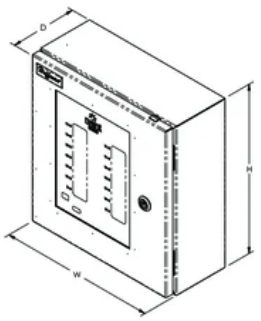
Height (H): 355.1mm

Unit Weight: 9.75kg

Width (W): 329.9mm

Replacement Module: 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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