We connect and protect

# DT Panel Protector, 240 kA, Filter, 120/240 V, 1Ph 3W+G Dist System

## Data Solutions

### CATALOG NUMBER

**DTX240F120240SP**

The nVent ERICO DTX240 Series of Surge Protective Devices (SPD) North American and 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.

### CERTIFICATIONS

### FEATURES

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|---|
| 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) |
| 10 Year Warranty |

## PRODUCT ATTRIBUTES

Nominal System Voltage (Un): 120/240 V

Distribution System: 1Ph 3W+G

Max Continuous Operating Voltage (Uc): 150/300 VAC

Nominal Discharge Current (In), UL: 20kA 8/20 µs

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

Impulse Current (Iimp), Per Mode: 12.5kA 10/350 µs

Filtering: -29 dB @ 100 kHz

Frequency: 50 – 60Hz

Voltage Protection Rating (VPR), L-G: 700V

Voltage Protection Rating (VPR), L-L: 1200V

Voltage Protection Rating (VPR), L-N: 600V

Voltage Protection Rating (VPR), N-G: 600V

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

Short Circuit Current Rating (SCCR): 200kA

Nominal Discharge Current (In), IEC: 40kA 8/20 µs

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

Short Circuit Current Rating (Isccr): 50kA

Temperature: −40 to 80°C

Enclosure Material: Metal with PC Lid

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

Lead Size: 2.5 – 16mm²

Mounting: 8 Screw Locations

Remote Contact Switching Capacity: 2.0 A @ 240 V

Remote Contacts: Yes (Form C)

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

Technology: Hybrid technology utilizing thermal disconnects

Certification Details: CSA C22.2 No. 269.2; UL® 1283 Edition 7; UL® 1449 Edition 5 Type 2, 20 kA Mode

Complies With: 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; EN 61643-11 Type 2; IEC® 61643-11 Class II

Depth (D): 98.3mm

Height (H): 330.7mm

Width (W): 222.5mm

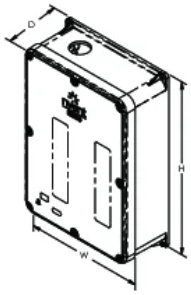
Unit Weight: 4.98kg

Replacement Module: DT2180DTXM

## ADDITIONAL PRODUCT DETAILS

Optional Flush Plate and Side Mount Kits available: DTX240FP & DTX240SM

## 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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