We connect and protect

DT Panel Protector, 240 kA, 480 V, 3PhΔ 3W+G Dist System

Data Solutions

CATALOG NUMBER

DTX240B480D

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

- 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
- 10 Year Warranty

PRODUCT ATTRIBUTES

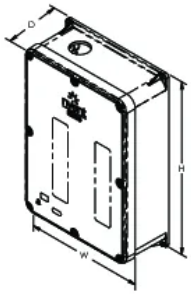
Nominal System Voltage (Un): 480 V

Distribution System: 3PhΔ 3W+G
Max Continuous Operating Voltage (Uc): 510 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
Frequency: 50 – 60Hz
Voltage Protection Rating (VPR), L-G: 1800V
Voltage Protection Rating (VPR), L-L: 1800V
Protection Modes: L-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® 1449 Edition 5 Type 1/2, 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: 5.3kg
Replacement Module: DT2510DTXM

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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