We connect and protect

DT Panel Protector (F), 240 kA

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
- Up to 53 dB attenuation (10 kHz to 100 MHz)
- 10 Year Warranty

SPECIFICATIONS

Catalog Number	DTX240F120240SP	DTX240F120240HD	DTX240F208Y	DTX240F240D	DTX240F480D	DTX240F480Y
Nominal System Voltage (Un)	120/240 V	120/240 V	120/208 V	240 V	480 V	277/480 V

CatalogNumber	DTX240F120240SP	DTX240F120240HD	DTX240F208Y	DTX240F240D	DTX240F480D	DTX240F480Y
Distribution System	1Ph 3W+G	3PhΔ 4W+G	3Ph 4W+G	3PhΔ 3W+G	3PhΔ 3W+G	3Ph 4W+G
Max Continuous Operating Voltage (Uc)	150/300 VAC	150/275 VAC	150/300 VAC	275 VAC	510 VAC	350/700 VAC
Nominal Discharge Current (In), UL	20kA 8/20 µs	20kA 8/20 µs	20kA 8/20 µs	20kA 8/20 µs	20kA 8/20 µs	20kA 8/20 µs
Max Discharge Current (Imax), Per Phase	240kA 8/20 µs	240kA 8/20 µs	240kA 8/20 µs	240kA 8/20 µs	240kA 8/20 µs	240kA 8/20 µs
Impulse Current (Iimp), Per Mode	12.5kA 10/350 µs	12.5kA 10/350 µs	12.5kA 10/350 µs	12.5kA 10/350 µs	12.5kA 10/350 µs	12.5kA 10/350 µs
Filtering	-29 dB @ 100 kHz	-29 dB @ 100 kHz	-29 dB @ 100 kHz	-29 dB @ 100 kHz	-29 dB @ 100 kHz	-29 dB @ 100 kHz
Frequency	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
Voltage Protection Rating (VPR), L-G	700V	1200V	700V	1000V	1800V	1200V
Voltage Protection Rating (VPR), L-L	1200V	1500V	1200V	1000V	1800V	1800V
Voltage Protection Rating (VPR), L-N	600V	800V	700V			1200V
Voltage Protection Rating (VPR), N-G	600V	1500V	700V			1200V
Protection Modes	L-N L-PE N-PE	L-N L-PE N-PE	L-N L-PE N-PE	L-PE	L-PE	L-N L-PE N-PE
Short Circuit Current Rating (SCCR)	200kA	200kA	200kA	200kA	200kA	200kA
Nominal Discharge Current (In), IEC	40kA 8/20 µs	40kA 8/20 µs	40kA 8/20 µs	40kA 8/20 µs	40kA 8/20 µs	40kA 8/20 µs

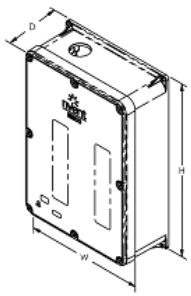
CatalogNumber	DTX240F120240SP	DTX240F120240HD	DTX240F208Y	DTX240F240D	DTX240F480D	DTX240F480Y
Voltage Protection Level (Up), IEC	1200 V @ 20 kA 3000 V @ 100 kA	1200 V @ 20 kA 3000 V @ 100 kA	1200 V @ 20 kA 3000 V @ 100 kA	1200 V @ 20 kA 3000 V @ 100 kA	1200 V @ 20 kA 3000 V @ 100 kA	1200 V @ 20 kA 3000 V @ 100 kA
Short Circuit Current Rating (Isccr)	50kA	50kA	50kA	50kA	50kA	50kA
Temperature	-40 to 80 °C	-40 to 80 °C	-40 to 80 °C	-40 to 80 °C	-40 to 80 °C	-40 to 80 °C
Enclosure Material	Metal with PC Lid	Metal with PC Lid	Metal with PC Lid	Metal with PC Lid	Metal with PC Lid	Metal with PC Lid
Enclosure Rating	NEMA®-4X UL® 50E Type 4	NEMA®-4X UL® 50E Type 4	NEMA®-4X UL® 50E Type 4	NEMA®-4X UL® 50E Type 4	NEMA®-4X UL® 50E Type 4	NEMA®-4X UL® 50E Type 4
Lead Size	2.5 - 16 mm²	2.5 - 16 mm²	2.5 - 16 mm²	2.5 - 16 mm²	2.5 - 16 mm²	2.5 - 16 mm²
Mounting	8 Screw Locations	8 Screw Locations	8 Screw Locations	8 Screw Locations	8 Screw Locations	8 Screw Locations
Remote Contact Switching Capacity	2.0 A @ 240 V	2.0 A @ 240 V	2.0 A @ 240 V	2.0 A @ 240 V	2.0 A @ 240 V	2.0 A @ 240 V
Remote Contacts	Yes (Form C)	Yes (Form C)	Yes (Form C)	Yes (Form C)	Yes (Form C)	Yes (Form C)
Status Indication	Audible alarm with silence switch Dual color status LED Mechanical flag OLED Display Surge/TOV Counter, Resettable	Audible alarm with silence switch Dual color status LED Mechanical flag OLED Display Surge/TOV Counter, Resettable	Audible alarm with silence switch Dual color status LED Mechanical flag OLED Display Surge/TOV Counter, Resettable	Audible alarm with silence switch Dual color status LED Mechanical flag OLED Display Surge/TOV Counter, Resettable	Audible alarm with silence switch Dual color status LED Mechanical flag OLED Display Surge/TOV Counter, Resettable	Audible alarm with silence switch Dual color status LED Mechanical flag OLED Display Surge/TOV Counter, Resettable
Technology	Hybrid technology utilizing thermal disconnects	Hybrid technology utilizing thermal disconnects	Hybrid technology utilizing thermal disconnects	Hybrid technology utilizing thermal disconnects	Hybrid technology utilizing thermal disconnects	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	CSA C22.2 No. 269.2 UL® 1283 Edition 7 UL® 1449 Edition 5 Type 2, 20 kA Mode	CSA C22.2 No. 269.2 UL® 1283 Edition 7 UL® 1449 Edition 5 Type 2, 20 kA Mode	CSA C22.2 No. 269.2 UL® 1283 Edition 7 UL® 1449 Edition 5 Type 2, 20 kA Mode	CSA C22.2 No. 269.2 UL® 1283 Edition 7 UL® 1449 Edition 5 Type 2, 20 kA Mode	CSA C22.2 No. 269.2 UL® 1283 Edition 7 UL® 1449 Edition 5 Type 2, 20 kA Mode

CatalogNumber	DTX240F120240SP	DTX240F120240HD	DTX240F208Y	DTX240F240D	DTX240F480D	DTX240F480Y
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	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	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	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	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	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	98.3mm	98.3mm	98.3mm	98.3mm	98.3mm
Height (H)	330.7 mm	330.7 mm	330.7 mm	330.7 mm	330.7 mm	330.7 mm
Width (W)	222.5 mm	222.5 mm	222.5 mm	222.5 mm	222.5 mm	222.5 mm
Unit Weight	4.98 kg	5.38 kg	5.38 kg	5.18 kg	5.3 kg	5.45 kg
Replacement Module	DT2180DTXM	DT2180DTXM DT2275DTXM	DT2150DTXM	DT2275DTXM	DT2510DTXM	DT2350M

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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