

DT Panel Protector (F), 120 kA

CONNECT AND PROTECT



The nVent ERICO DTX120 Series of Surge Protective Devices (SPD) features a cUL 1449 listing and provides premium protection against damaging transients and surge currents, particularly in Type 1 and Type 2 locations. The innovative design allows for installation either on the line or load of the service panels and removes the need for circuit breakers (B Version Only). With a 120 kA per phase surge rating, nVent ERICO DTX120 is well suited for category C locations and is typically used in applications including service entrances, distribution, branch panels, MCC, lighting panels, HVAC, and more. The nVent ERICO DTX120 also features a NEMA®-4X enclosure rating, making it suitable for outdoor applications.

FEATURES

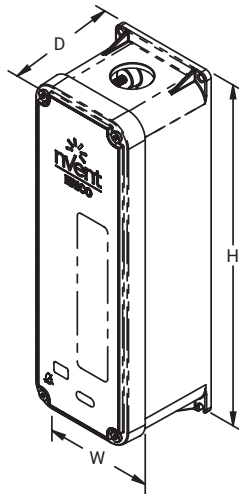
- Excellent clamping and low UL voltage protection ratings
- Features relay alarming for power/phase loss and status of SPD health
- Design allows for easy removal and replacement of surge modules via lever assist
- RS-485 Interface Standard
- Up to 53 dB attenuation (10 kHz to 100 MHz)
- 10 Year Warranty



Product Attribute	DTX120F 120240SP	DTX120F 120240HD	DTX120F 208Y	DTX120F 240D	DTX120F 480D	DTX120F 480Y
Nominal System Voltage (Un)	120/240 V	120/240 V	120/208 V	240 VAC	480 V	277/480 V
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)	170/276 VAC	170/276 VAC	170/276 VAC	276 VAC	510 VAC	320/550 VAC
Nominal Discharge Current (In), UL	20 kA 8/20 μs					
Max Discharge Current (Imax), Per Phase	120 kA 8/20 μs					
Impulse Current (Iimp), Per Mode	12.5 kA 10/350 μs					
Frequency	50 – 60 Hz					
Filtering	-29 dB @100 kHz					
Voltage Protection Rating (VPR), L-G	700 V	1,200 V	700 V	1,000 V	1,800 V	1,200 V
Voltage Protection Rating (VPR), L-L	1,000 V	1,500 V	1,200 V	1,000 V	1,800 V	2,000 V

Product Attribute	DTX120F 120240SP	DTX120F 120240HD	DTX120F 208Y	DTX120F 240D	DTX120F 480D	DTX120F 480Y
Voltage Protection Rating (VPR), L-N	700 V	800 V	700 V			1,200 V
Voltage Protection Rating (VPR), N-G	700 V	1,500 V	600 V			1,200 V
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)	200 kA					
Temperature	-40 to 176 °F					
Mounting	4 Screw Locations					
Enclosure Rating	NEMA® 4X;UL 50E Type 4					
Enclosure Material	Metal with PC Lid					
Lead Size	#14 – #6					
Technology	Hybrid technology utilizing thermal disconnects					
Remote Contacts	Yes (Form C)					
Status Indication	Audible alarm with silence switch; Dual color status LED; Mechanical flag; OLED Display; Surge/TOV Counter; Resettable					
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; Mil-Std 220A					
Certification Details:	CSA C22.2 No. 269.2, UL® 1283 Edition 7, UL® 1449 Edition 5, Type 2, 20 kA Mode					
Depth(D)	3.87"					
Width(W)	4"					
Height(H)	13.02"					
Unit Weight	5.95 lb	6.4 lb	6.3 lb	6.15 lb	6.35 lb	6.78 lb
Replacement Module	DT2180DTXM	DT2180DTXM DT2275DTXM	DT2150DTXM	DT2275DTXM	DT2510DTXM	DT2350M

Optional Flush Plate and Side Mount Kits available: DTX120FP & DTX120SM



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