

Service Entrance Suppressor(F), 320 kA

CONNECT AND PROTECT



The nVent ERICO SES320 F Series of Surge Protective Devices (SPD) is an enhanced version of our nVent ERICO SES320 B Series. The SES320 F Surge-Filter is robust and features a 320 kA per phase surge rating, increasing both survivability and overall life cycle. With the addition of a filter, bothersome high frequency transients on the power distribution system are attenuated, therefore protecting sensitive equipment. The F Series is a cUL 1449 Listed SPD for Type 2 locations. Typical applications for the nVent ERICO SES320 F Series service entrances, distribution, branch panels, MCC, lighting panels, HVAC, A/V systems, IT equipment, and more.

FEATURES

- Compact design can be directly mounted to panel or installed in a small space
- Front-facing design eases installation and performance monitoring
- 320 kA 8/20 μ s maximum surge rating per phase
- Up to 60 dB attenuation (10 kHz to 100 MHz)
- Ground reference monitoring triggers an alarm when N-PE mode exceeds 20 volts
- Optional Flush Mounting Plate (SES320FP)
- 10-year limited warranty

SPECIFICATIONS



Part Number	SES320F 120240D	SES320F 120240S	SES320F 120V	SES320F 208Y	SES320F 240D	SES320F 240V	SES320F 480D	SES320F 480Y
Nominal System Voltage (Un)	120/240 V		120 V	120/208 V	240 V		480 V	277/480 V
Max Continuous Operating Voltage (Uc)	180/275 V	180/360 V	180 V	150/300 V	275 V	350 V	550 V	350/700 V
Distribution System	3Ph Δ 4W+G	1Ph 3W+G	1Ph 2W+G	3Ph Y 4W+G	3Ph Δ 3W+G	1Ph 2W+G	3Ph Δ 3W+G	3Ph Y 4W+G
Filtering	-40 dB @ 100 kHz							
Frequency	0 – 600 Hz							
Short Circuit Current Rating (SCCR)	200 kA							

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Voltage Protection Rating (VPR), L-G	800 V 900 V	800 V		700 V	900 V	1,200 V	1,800 V	1,200 V
Voltage Protection Rating (VPR), L-L	1,200 V 1,500 V	1,200 V	–	1,000 V	1,800 V	–	3,000 V	2,000 V
Voltage Protection Rating (VPR), L-N	800 V 1,000 V	700 V		600 V	–	1,200 V	–	1,200 V
Voltage Protection Rating (VPR), N-G	700 V	600 V		700 V	–	1,000 V	–	1,000 V
Nominal Discharge Current (In), Per Mode	20 kA 8/20 μ s							
Max Discharge Current (Imax), Per Phase	320 kA 8/20 μ s							
Protection Modes	All modes protected							
Status Indication	1 green LED per line Dual color status LED, flashing red for faults Audible alarm							
Remote Contact Switching Capacity	2.0 A @ 240 V							
Remote Contacts	Yes, Form C							
Lead Length	36"							
Lead Size	#10							
Temperature	–40 to 185 °F							
Enclosure Material	Polycarbonate							
Enclosure Rating	NEMA®-4X UL® 50E Type 4							
Mounting	3/4" straight nipple							
Unit Weight	1.38 lb							
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 Mil-Std 220A							
Depth	2.99"							
Height	6.89"							
Width	8.38"							



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