

Service Entrance Suppressor(B), 320 kA



CONNECT AND PROTECT



The nVent ERICO SES320 B Series of Surge Protective Devices (SPD) provides economical protection against damaging transients and surge currents. The B Series is a cUL 1449 listed SPD for Type 1 and Type 2 locations allowing for installation either on the line or load of service panels without requiring circuit breakers. With a 320 kA per phase surge rating, the SES320 B is well suited for category C locations. Typical applications for the nVent ERICO SES320 B Series include service entrances, distribution, branch panels, MCC, lighting panels, HVAC, and more. Featuring a NEMA 4X enclosure rating, the B series is also appropriate for use in outdoor applications.

FEATURES

- 320 kA 8/20 μ s maximum surge rating per phase
- Excellent clamping, low UL voltage protection ratings
- Relay alarming for power/phase loss and surge protection device health
- Compact design can be directly mounted to panel or installed in a small space
- 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	SES320B 120240D	SES320B 120240S	SES320B 120V	SES320B 208Y	SES320B 240D	SES320B 240V	SES320B 480D	SES320B 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
Frequency	0 – 600 Hz							
Short Circuit Current Rating (SCCR)	200 kA							
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

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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. 269.1 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							
Depth	2.99"							
Height	6.89"							
Width	8.38"							



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