

Service Entrance Suppressor(B), 320 kA

Power Utilities



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.

CERTIFICATIONS



FEATURES

320 kA 8/20 μ s maximum surge rating per phase

Excellent clamping and low UL voltage protection ratings

Features relay alarming for power/phase loss and status of SPD 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

10-year limited warranty

SPECIFICATIONS

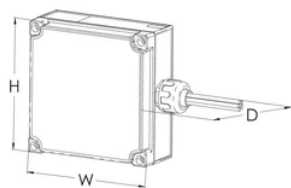
Catalog Number	SES320B120240D	SES320B120240SP
Nominal System Voltage (Un)	120/240 V	120/240 V

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Max Continuous Operating Voltage (Uc)	180/275 V	180/360 V
Distribution System	3PhΔ 4W+G	1Ph 3W+G
Frequency	0 – 600 Hz	0 – 600 Hz
Short Circuit Current Rating (SCCR)	200 kA	200 kA
Voltage Protection Rating (VPR), L-G		800 V
Voltage Protection Rating (VPR), L-L	1,200 V 1,500 V	1,200 V
Voltage Protection Rating (VPR), L-N	800 V 1,000 V	700 V
Voltage Protection Rating (VPR), N-G		600 V
Nominal Discharge Current (In), Per Mode	20 kA 8/20 μs	20 kA 8/20 μs
Protection Modes	All modes protected	All modes protected
Status Indication	1 green LED per line Dual color status LED, flashing red for faults Audible alarm	1 green LED per line Dual color status LED, flashing red for faults Audible alarm
Remote Contact Switching Capacity	2.0 A @ 240 V	2.0 A @ 240 V
Remote Contacts	Yes	Yes
Lead Length	914 mm	914 mm
Temperature	-40 to 85 °C	-40 to 85 °C
Enclosure Rating	NEMA®-4X UL® 50E Type 4	NEMA®-4X UL® 50E Type 4
Unit Weight	0.626 kg	0.626 kg
Certification Details	CSA C22.2 No. 269.1 UL® 1449 Edition 5 Type 1/2, 20 kA Mode	CSA C22.2 No. 269.1 UL® 1449 Edition 5 Type 1/2, 20 kA Mode
Height (H)	175 mm	175 mm
Width (W)	213 mm	213 mm

ADDITIONAL PRODUCT DETAILS

Optional Flush Plate available: SES320FP

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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