SES(B), 320 KA, 240 V UN, 1PH 2W+G DISTRIBUTION SYSTEM

CATALOG NUMBER

SES320B240V



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 µs 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

PRODUCT ATTRIBUTES

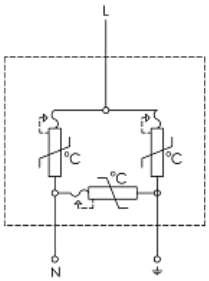
- Nominal System Voltage (Un): 240 V
- Max Continuous Operating Voltage (Uc): 350 V
- Distribution System: 1Ph 2W+G
- Frequency: 0 - 600 Hz
- Short Circuit Current Rating (SCCR): 200 kA
- Voltage Protection Rating (VPR), L-G: 1200 V
- Voltage Protection Rating (VPR), L-N: 1200 V
- Voltage Protection Rating (VPR), N-G: 1000 V
- Nominal Discharge Current (In), Per Mode: 20 kA 8/20 µs

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 A @ 240 V
Remote Contacts: Yes
Max Discharge Current (Imax), Per Phase: 320 kA 8/20 µs
Lead Length: 36
Lead Size imperial: #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 (D): 2.99"
Height (H): 6.89"
Width (W): 8.38"

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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