SERVICE ENTRANCE SUPPRESSOR(B), 160 KA, 120 V UN, 1PH 2W+G DIST SYSTEM

CATALOG NUMBER

SES160B120V



The nVent ERICO SES160B Series of Surge Protective Devices (SPD) provide economical protection against damaging transients and surge currents. cUL® 1449 Listed SPD for Type 1 or Type 2 locations. Allows for installation on the line or load of the service panels, circuit breakers not required. With a 160 kA per phase surge rating, the SES160B is well suited for category C locations. Applications include service entrance, distribution, branch panels, MCC, lighting panels, HVAC, and more. With a NEMA® 4X enclosure rating this product series is also well suited for outdoor applications.

CERTIFICATIONS

FEATURES

- 160 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
- Optional Flush Mounting Plate
- 10-year limited warranty

PRODUCT ATTRIBUTES

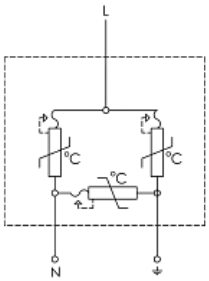
- Nominal System Voltage (Un): 120 V
- Distribution System: 1Ph 2W+G
- Max Continuous Operating Voltage (Uc): 180 V
- Frequency: 0 – 600 Hz
- Short Circuit Current Rating (SCCR): 200 kA
- Nominal Discharge Current (In), Per Mode: 20 kA 8/20 µs
- Max Discharge Current (Imax), Per Phase: 160 kA 8/20 µs
- Voltage Protection Rating (VPR), N-PE: 600 V
- Voltage Protection Rating (VPR), L-N: 700 V

Voltage Protection Rating (VPR), L-PE: 700 V
Protection Modes: All modes protected
Status Indication: 1 green LED per line;Audible alarm;Change-over contact (Form C dry), 240 VAC/2A
Remote Contact Switching Capacity: 2 A @ 240 V A
Remote Contacts: Yes
Lead Length: 18"
Lead Size imperial: #12
Temperature: −40 to 185 °F
Enclosure Material: Polycarbonate
Enclosure Rating: NEMA®-4X;UL® 50E Type 4
Mounting: 3/4” straight nipple
Unit Weight: 1.16 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): 2.93"
Height (H): 4.2"
Width (W): 3 1/4"

ADDITIONAL PRODUCT DETAILS

Optional Flush Plate available: SES160BFP

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.

North America
+1.800.753.9221
Option 1 – Customer Care
Option 2 – Technical Support

Europe
Netherlands:
+31 800-0200135
France:
+33 800 901 793

Europe
Germany:
800 1890272
Other Countries:
+31 13 5835404

APAC
Shanghai:
+ 86 21 2412 1618/19
Sydney:
+61 2 9751 8500

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nVent reserves the right to change specifications without notice.