

# 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  $\mu$ 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
- Optional Flush Mounting Plate
- 10-year limited warranty
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## 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  $\mu$ s

Max Discharge Current (Imax), Per Phase: 160 kA 8/20  $\mu$ s

Voltage Protection Rating (VPR), L-N: 700 V

Voltage Protection Rating (VPR), L-PE: 700 V

Voltage Protection Rating (VPR), N-PE: 600 V

Protection Modes: All modes protected

Status Indication: 1 green LED per line; Audible alarm

Remote Contact Switching Capacity: 2.0 A @ 240 V

Remote Contacts: Yes

Lead Length: 18"

Lead Size: #12

Temperature: -40 to 185 °F

Enclosure Material: Polycarbonate

Enclosure Rating: NEMA®-4X; UL® 50E Type 4

Mounting: 3/4" straight nipple

Unit Weight: 1.160 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): 2.930"

Height (H): 4.200"

Width (W): 3 1/4"

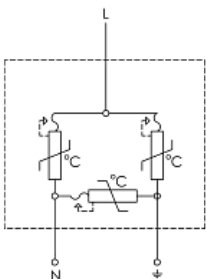
## ADDITIONAL PRODUCT DETAILS

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Optional Flush Plate available: SES160BFP

## DIAGRAMS

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## WARNING

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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](http://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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