

# Service Entrance Suppressor(B), 320 kA



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  $\mu$ 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

Ground reference monitoring triggers an alarm when N-PE mode exceeds 20 volts

Optional Flush Mounting Plate

10-year limited warranty

## SPECIFICATIONS

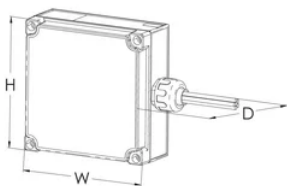
| Catalog Number                        | SES320B600Y |
|---------------------------------------|-------------|
| Nominal System Voltage (Un)           | 347/600 V   |
| Max Continuous Operating Voltage (Uc) | 440/880 V   |
| Distribution System                   | 3Ph Y 4W+G  |
| Frequency                             | 0 - 600 Hz  |
| Short Circuit Current Rating (SCCR)   | 200kA       |
| Voltage Protection Rating (VPR), L-G  | 1500V       |
| Voltage Protection Rating (VPR), L-L  | 2500V       |
| Voltage Protection Rating (VPR), L-N  | 1500V       |
| Voltage Protection Rating (VPR), N-G  | 1500V       |

| Catalog Number                           | SES320B600Y                                                                                                                                   |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal Discharge Current (In), Per Mode | 20kA 8/20 $\mu$ s                                                                                                                             |
| Protection Modes                         | All modes protected                                                                                                                           |
| Status Indication                        | 1 green LED per line<br>Dual color status LED, flashing red for faults<br>Audible alarm                                                       |
| Remote Contact Switching Capacity        | 2.0 A @ 240 V                                                                                                                                 |
| Remote Contacts                          | Yes                                                                                                                                           |
| Lead Length                              | 914.4                                                                                                                                         |
| Lead Size                                | 6 mm <sup>2</sup> Min                                                                                                                         |
| Temperature                              | -40 to 85 °C                                                                                                                                  |
| Enclosure Material                       | Polycarbonate                                                                                                                                 |
| Enclosure Rating                         | NEMA®-4X<br>UL® 50E Type 4                                                                                                                    |
| Mounting                                 | 3/4" straight nipple                                                                                                                          |
| Unit Weight                              | 0.63 kg                                                                                                                                       |
| Certification Details                    | CSA C22.2 No. 269.1<br>UL® 1449 Edition 5 Type 1/2, 20 kA Mode                                                                                |
| Complies With                            | ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C<br>ANSI®/IEEE® C62.41.1-2002 Cat A, Cat B, Cat C<br>ANSI®/IEEE® C62.45-2002 Cat A, Cat B, Cat C |
| Depth (D)                                | 75.95mm                                                                                                                                       |
| Height (H)                               | 175 mm                                                                                                                                        |
| Width (W)                                | 212.85 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](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.

**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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