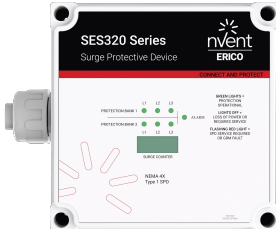


# Service Entrance Suppressor(BC), 320 kA



The nVent ERICO SES320 BC Series of Surge Protective Devices (SPD) provides economical protection against damaging transients and surge currents. The BC 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 BC is well suited for category C locations. Typical applications for the nVent ERICO SES320 BC 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

Digital Surge Counter Utilizing Non-volatile Memory

## SPECIFICATIONS

Table 1/5

Catalog Number	Nominal System Voltage (Un)	Max Continuous Operating Voltage (Uc)	Distribution System	Frequency	Short Circuit Current Rating (SCCR)	Voltage Protection Rating (VPR), L-G
SES320BC600Y	347/600 V	440/880 V	3Ph Y 4W+G	0 - 600 Hz	200kA	1500V

Table 2/5

Catalog Number	Voltage Protection Rating (VPR), L-L	Voltage Protection Rating (VPR), L-N	Voltage Protection Rating (VPR), N-G	Nominal Discharge Current (In), Per Mode	Protection Modes	Status Indication

SES320BC600Y	2500V	1500V	1500V	20kA 8/20 $\mu$ s	All modes protected	1 green LED per line, Dual color status LED, flashing red for faults, Audible alarm, Surge counter
--------------	-------	-------	-------	-------------------	---------------------	----------------------------------------------------------------------------------------------------

Table 3/5

Catalog Number	Remote Contact Switching Capacity	Remote Contacts	Lead Length	Lead Size	Temperature	Enclosure Material
SES320BC600Y	2.0 A @ 240 V	Yes	914.4mm	6 mm <sup>2</sup> Min	-40 to 85 °C	Polycarbonate

Table 4/5

Catalog Number	Enclosure Rating	Mounting	Unit Weight	Certification Details	Complies With	Depth
SES320BC600Y	NEMA®-4X, UL® 50E Type 4	3/4" straight nipple	0.63 kg	CSA C22.2 No. 269.1, UL® 1449 Edition 5 Type 1/2, 20 kA Mode	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	75.95mm

Table 5/5

Catalog Number	Height	Width
SES320BC600Y	175 mm	212.85 mm

## 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



Our powerful portfolio of brands:

**CADDY**

**ERICO**

**HOFFMAN**

**ILSCO**

**SCHROFF**

**TRACHTE**