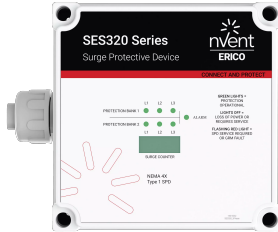


Service Entrance Suppressor(FC), 320 kA



The nVent ERICO SES320 FC Series of Surge Protective Devices (SPD) is an enhanced version of our nVent ERICO SES320BC Series. The robust SES320 FC Surge-Filter features a 320 kA per phase surge rating, increasing both survivability and overall life cycle. With the addition of a filter, bothersome high frequency transients on the power distribution system are attenuated, ultimately protecting sensitive equipment. The FC Series is a cUL 1449 Listed SPD for Type 2 locations. Typical applications for the nVent ERICO SES320 FC Series service entrances, distribution, branch panels, MCC, lighting panels, HVAC, A/V systems, IT equipment and more.

FEATURES

Compact design can be directly mounted to panel or installed in a small space

Front-facing design simplifies installation and performance monitoring

320 kA 8/20 μ s maximum surge rating per phase

Up to 60 dB attenuation (10 kHz to 100 MHz)

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	Filtering	Frequency	Short Circuit Current Rating (SCCR)
SES320FC600Y	347/600 V	440/880 V	3Ph Y 4W+G	-40 dB @ 100 kHz	0 - 600 Hz	200kA

Table 2/5

Catalog Number	Voltage Protection Rating (VPR), L-G	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

SES320FC600Y	1500V	2500V	1500V	1500V	20kA 8/20 μ s	All modes protected
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Table 3/5

Catalog Number	Status Indication	Remote Contact Switching Capacity	Remote Contacts	Lead Length	Lead Size	Temperature
SES320FC600Y	1 green LED per line, Dual color status LED, flashing red for faults, Audible alarm	2.0 A @ 240 V	Yes	914.4mm	6 mm ² Min	-40 to 85 °C

Table 4/5

Catalog Number	Enclosure Material	Enclosure Rating	Mounting	Unit Weight	Certification Details	Complies With
SES320FC600Y	Polycarbonate	NEMA®-4X, UL® 50E Type 4	3/4" straight nipple	0.63 kg	CSA C22.2 No. 269.2, UL® 1283 Edition 7, UL® 1449 Edition 5 Type 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, Mil-Std 220A

Table 5/5

Catalog Number	Depth	Height	Width
SES320FC600Y	75.95mm	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 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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