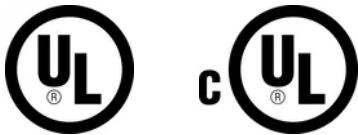


Service Entrance Suppressor(DF), 360 kA



The nVent ERICO SES360 DF Series of Surge Protective Devices (SPD) is an enhanced version of our nVent ERICO SES360 DB Series. The robust SES360 DF Surge-Filter features a 360 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 DF Series is a cUL 1449 Listed SPD for Type 2 locations. Typical applications for the nVent ERICO SES360 DF Series service entrances, distribution, branch panels, MCC, lighting panels, HVAC, A/V systems, IT equipment and more.

CERTIFICATIONS



FEATURES

Front-facing design simplifies installation and performance monitoring

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

Up to 64 dB attenuation (10 kHz to 100 MHz)

Advanced monitoring includes Surge and TOV Counters with time and date stamping

Rotatable, full color graphics-based LCD utilizing a PIC Micro Controller

Repetitive impulse tested to 10,000 strikes per mode

Rotary Disconnect included, standard for safe servicing

10-year limited warranty

SPECIFICATIONS

Table 1/5

Catalog Number	Nominal System Voltage (Un)	Max Continuous Operating Voltage (Uc)	Distribution System	Filtering	Frequency	Short Circuit Current Rating (SCCR)

SES360DF2404 80S	240/480 V	320/550 V	1Ph 3W+G	-64 dB from 10 kHz to 100 MHz	0 - 600 Hz	200kA
SES360DF1202 40D	120/240 V	175/275 V	3PhΔ 4W+G	-64 dB from 10 kHz to 100 MHz	0 - 600 Hz	200kA
SES360DF1202 40S	120/240 V	175/350 V	3PhΔ 3W+G	-64 dB from 10 kHz to 100 MHz	0 - 600 Hz	200kA
SES360DF208Y	120/208 V	150/300 V	3Ph Y 4W+G	-64 dB from 10 kHz to 100 MHz	0 - 600 Hz	200kA
SES360DF2404 80D	240/480 V	350/550 V	3PhΔ 4W+G	-64 dB from 10 kHz to 100 MHz	0 - 600 Hz	200kA
SES360DF480D	480 V	550 V	3PhΔ 3W+G	-64 dB from 10 kHz to 100 MHz	0 - 600 Hz	200kA
SES360DF480Y	277/480 V	320/700 V	3Ph Y 4W+G	-64 dB from 10 kHz to 100 MHz	0 - 600 Hz	200kA
SES360DF600Y	347/600 V	420/880 V	3Ph Y 4W+G	-64 dB from 10 kHz to 100 MHz	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	Max Discharge Current (Imax), Per Phase
SES360DF2404 80S	1200V	2000V	1200V	1200V	20kA 8/20 μs	360kA 8/20 μs
SES360DF1202 40D	1000V, 1000V	1200V, 1500V	800V, 1000V	800V, 800V	20kA 8/20 μs	360kA 8/20 μs
SES360DF1202 40S	800V	1800V	800V	800V	20kA 8/20 μs	360kA 8/20 μs
SES360DF208Y	800V	1000V	800V	800V	20kA 8/20 μs	360kA 8/20 μs
SES360DF2404 80D	1800V, 1800V	2000V, 2500V	1200V, 1800V	1200V	20kA 8/20 μs	360kA 8/20 μs
SES360DF480D	1800V	1800V			20kA 8/20 μs	360kA 8/20 μs

CatalogNumber	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	Max Discharge Current (Imax), Per Phase
SES360DF480Y	1200V	2000V	1200V	1200V	20kA 8/20 μ s	360kA 8/20 μ s
SES360DF600Y	1500V	2500V	1500V	1500V	20kA 8/20 μ s	360kA 8/20 μ s

Table 3/5

Catalog Number	Status Indication	Remote Contact Switching Capacity	Remote Contacts	Lead Size imperial	Temperature	Enclosure Material
SES360DF240480S	2 Tri Color LEDs per phase, Audible alarm with silence switch, Graphics-based LCD with Resettable Surge and TOV Counter with Time / Date Stamp	5.0 A @ 240 V	Yes	#10 - #4	-31 to 167 °F	Metal
SES360DF120240D	2 Tri Color LEDs per phase, Audible alarm with silence switch, Graphics-based LCD with Resettable Surge and TOV Counter with Time / Date Stamp	5.0 A @ 240 V	Yes	#10 - #4	-31 to 167 °F	Metal

CatalogNumber	Status Indication	RemoteContact Switching Capacity	Remote Contacts	Lead Size imperial	Temperature	Enclosure Material
SES360DF120240S	2 Tri Color LEDs per phase, Audible alarm with silence switch, Graphics-based LCD with Resettable Surge and TOV Counter with Time / Date Stamp	5.0 A @ 240 V	Yes	#10 - #4	-31 to 167 °F	Metal
SES360DF208Y	2 Tri Color LEDs per phase, Audible alarm with silence switch, Graphics-based LCD with Resettable Surge and TOV Counter with Time / Date Stamp	5.0 A @ 240 V	Yes	#10 - #4	-31 to 167 °F	Metal
SES360DF240480D	2 Tri Color LEDs per phase, Audible alarm with silence switch, Graphics-based LCD with Resettable Surge and TOV Counter with Time / Date Stamp	5.0 A @ 240 V	Yes	#10 - #4	-31 to 167 °F	Metal
SES360DF480D	2 Tri Color LEDs per phase, Audible alarm with silence switch, Graphics-based LCD with Resettable Surge and TOV Counter with Time / Date Stamp	5.0 A @ 240 V	Yes	#10 - #4	-31 to 167 °F	Metal

CatalogNumber	Status Indication	RemoteContact Switching Capacity	Remote Contacts	Lead Size imperial	Temperature	Enclosure Material
SES360DF480Y	2 Tri Color LEDs per phase, Audible alarm with silence switch, Graphics-based LCD with Resettable Surge and TOV Counter with Time / Date Stamp	5.0 A @ 240 V	Yes	#10 - #4	-31 to 167 °F	Metal
SES360DF600Y	2 Tri Color LEDs per phase, Audible alarm with silence switch, Graphics-based LCD with Resettable Surge and TOV Counter with Time / Date Stamp	5.0 A @ 240 V	Yes	#10 - #4	-31 to 167 °F	Metal

Table 4/5

Catalog Number	Enclosure Rating	Mounting	Depth	Height	Width	Certification Details
SES360DF240480S	NEMA®-4, UL® 50E Type 4	Flange Mount	13.19"	16.79"	7.23"	UL® 1449 Edition 5 Type 2, 20 kA Mode, CSA C22.2 No. 269.1, UL® 1283 Edition 7
SES360DF120240D	NEMA®-4, UL® 50E Type 4	Flange Mount	13.19"	16.79"	7.23"	UL® 1449 Edition 5 Type 2, 20 kA Mode, CSA C22.2 No. 269.1, UL® 1283 Edition 7
SES360DF120240S	NEMA®-4, UL® 50E Type 4	Flange Mount	13.19"	16.79"	7.23"	UL® 1449 Edition 5 Type 2, 20 kA Mode, CSA C22.2 No. 269.1, UL® 1283 Edition 7

CatalogNumber	Enclosure Rating	Mounting	Depth	Height	Width	Certification Details
SES360DF208Y	NEMA®-4, UL® 50E Type 4	Flange Mount	13.19"	16.79"	7.23"	UL® 1449 Edition 5 Type 2, 20 kA Mode, CSA C22.2 No. 269.1, UL® 1283 Edition 7
SES360DF240480D	NEMA®-4, UL® 50E Type 4	Flange Mount	13.19"	16.79"	7.23"	UL® 1449 Edition 5 Type 2, 20 kA Mode, CSA C22.2 No. 269.1, UL® 1283 Edition 7
SES360DF480D	NEMA®-4, UL® 50E Type 4	Flange Mount	13.19"	16.79"	7.23"	UL® 1449 Edition 5 Type 2, 20 kA Mode, CSA C22.2 No. 269.1, UL® 1283 Edition 7
SES360DF480Y	NEMA®-4, UL® 50E Type 4	Flange Mount	13.19"	16.79"	7.23"	UL® 1449 Edition 5 Type 2, 20 kA Mode, CSA C22.2 No. 269.1, UL® 1283 Edition 7
SES360DF600Y	NEMA®-4, UL® 50E Type 4	Flange Mount	13.19"	16.79"	7.23"	UL® 1449 Edition 5 Type 2, 20 kA Mode, CSA C22.2 No. 269.1, UL® 1283 Edition 7

Table 5/5

Catalog Number	Complies With	Impulse Life	Unit Weight
SES360DF240480S	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, UL® 96A and NEC® Article 285	10,000 Impulses at 10 kA 8/20 µs	18.2 lb
SES360DF120240D	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, UL® 96A and NEC® Article 285	10,000 Impulses at 10 kA 8/20 µs	18.2 lb

Catalog Number	Complies With	Impulse Life	Unit Weight
SES360DF120240S	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, UL® 96A and NEC® Article 285	10,000 Impulses at 10 kA 8/20 µs	18.2 lb
SES360DF208Y	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, UL® 96A and NEC® Article 285	10,000 Impulses at 10 kA 8/20 µs	18.2 lb
SES360DF240480D	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, UL® 96A and NEC® Article 285	10,000 Impulses at 10 kA 8/20 µs	18.2 lb
SES360DF480D	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, UL® 96A and NEC® Article 285	10,000 Impulses at 10 kA 8/20 µs	18.2 lb
SES360DF480Y	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, UL® 96A and NEC® Article 285	10,000 Impulses at 10 kA 8/20 µs	18.2 lb
SES360DF600Y	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, UL® 96A and NEC® Article 285	10,000 Impulses at 10 kA 8/20 µs	18.2 lb

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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