

# Service Entrance Suppressor, 200 kA



## FEATURES

200kA 8/20 $\mu$ s primary protection rated for service entrance applications

Modular design allows easy replacement of surge modules

Built-in disconnect and fusing eliminates need for external fusing

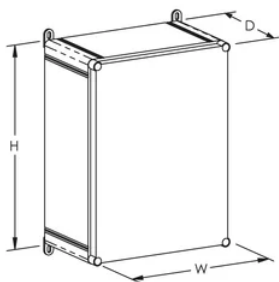
Transient Discriminating (TD) Technology provides increased service life

## SPECIFICATIONS

Catalog Number	SES200120/240	SES200277/480
Nominal System Voltage (Un)	120/240 V	277/480 V
Distribution System	1Ph 3W+G	3Ph Y 4W+G
Max Continuous Operating Voltage (Uc)	170/340 VAC	400/692 VAC
Stand-off Voltage	240/480 V	480/831 V
Frequency	50 - 60 Hz	50 - 60 Hz
Short Circuit Current Rating (SCCR)	200kA	200kA
Nominal Discharge Current (In), Per Mode	80kA 8/20 $\mu$ s	80kA 8/20 $\mu$ s
Max Discharge Current (Imax), Per Mode	100kA 8/20 $\mu$ s	100kA 8/20 $\mu$ s
Voltage Protection Rating (VPR)	600 V @ 3 kA L-N 800 V @ 20 kA L-N	900 V @ 3 kA L-N 1000 V @ 20 kA L-N
Aggregate Surge Rating	200	200

Catalog Number	SES200120/240	SES200277/480
Impulse Current (Iimp)	20kA 10/350 $\mu$ s	20kA 10/350 $\mu$ s
Max Operating Current	25mA	25mA
Protection Modes	All modes protected	All modes protected
Status Indication	5 segment LED bar graph per phase	5 segment LED bar graph per phase
Technology	TD technology with thermal disconnect	TD technology with thermal disconnect
Lead Size imperial	#12	#12
Temperature	14 to 140 °F	14 to 140 °F
Enclosure Material	Polycarbonate	Polycarbonate
Enclosure Rating	IP 66 NEMA®-4X	IP 66 NEMA®-4X
Mounting	Wall mount	Wall mount
Depth (D)	7 1/2"	7 1/2"
Height (H)	16"	16"
Width (W)	12"	12"
Unit Weight	17.64 lb	17.64 lb
Certification Details	UL® 1449 Edition 3 Type 1/2, 20 kA Mode	UL® 1449 Edition 3 Type 1/2, 20 kA Mode
Complies With	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C ANSI®/IEEE® C62.41.2-2002 Scenario II, Exposure 3, 100 kA 8/20 $\mu$ s, 10 kA 10/350 $\mu$ s	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C ANSI®/IEEE® C62.41.2-2002 Scenario II, Exposure 3, 100 kA 8/20 $\mu$ s, 10 kA 10/350 $\mu$ s

## 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.

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