

# Service Entrance Suppressor(B), 160 kA – SES160B480Y



The nVent ERICO SES160B Series of Surge Protective Devices (SPD) provide economical protection against damaging transients and surge currents. cUL® 1449 Listed SPD for Type 1 or Type 2 locations. Allows for installation on the line or load of the service panels, circuit breakers not required. With a 160 kA per phase surge rating, the SES160B is well suited for category C locations. Applications include service entrance, distribution, branch panels, MCC, lighting panels, HVAC, and more. With a NEMA® 4X enclosure rating this product series is also well suited for outdoor applications.

- 160 kA 8/20  $\mu$ s maximum surge rating per phase
- Excellent clamping, low UL voltage protection ratings
- Relay alarming for power/phase loss and surge protection device health
- Compact design can be directly mounted to panel or installed in a small space
- Optional Flush Mounting Plate



Part Number	SES160B480Y
Nominal System Voltage (Un)	277/480 V
Distribution System	3Ph Y 4W+G
Max Continuous Operating Voltage (Uc)	350/700 V
Frequency	0 – 600 Hz
Short Circuit Current Rating (SCCR)	200 kA
Nominal Discharge Current (In), Per Mode	20 kA 8/20 $\mu$ s
Max Discharge Current (Imax), Per Phase	160 kA 8/20 $\mu$ s
Voltage Protection Rating (VPR), L-L	2,000 V
Voltage Protection Rating (VPR), L-N	1,200 V
Voltage Protection Rating (VPR), L-PE	1,000 V
Voltage Protection Rating (VPR), N-PE	1,000 V
Protection Modes	All modes protected
Status Indication	1 green LED per line Audible alarm
Remote Contact Switching Capacity	2.0 A @ 240 V
Remote Contacts	Yes
Lead Length	457 mm
Lead Size	#12
Temperature	-40 to 85 °C
Enclosure Material	Polycarbonate
Enclosure Rating	NEMA®-4X UL® 50E Type 4
Mounting	3/4" straight nipple
Unit Weight	0.526 kg
Certification Details	CSA C22.2 No. 269.1 UL® 1449 Edition 5 Type 1/2, 20 kA Mode
Complies With	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C ANSI®/IEEE® C62.41.1-2002 Cat A, Cat B, Cat C

Part Number	SES160B480Y
	ANSI®/IEEE® C62.45-2002 Cat A, Cat B, Cat C
Depth	74.4 mm
Height	106.7 mm
Width	82.6 mm
Certifications	cULus
Standard Packaging Quantity	1 pc
UPC	78480502895

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**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.erico.com](http://www.erico.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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