

Service Entrance Suppressor(B), 160 kA



CONNECT AND PROTECT



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, MMC, lighting panels, HVAC, and more. With a NEMA® 4X enclosure rating this product series is also well suited for outdoor applications.

FEATURES

- 160 kA 8/20 μ 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	SES160B120/240SP	SES160B120V	SES160B208Y	SES160B240D	SES160B240V	SES160B480D	SES160B480Y
Nominal System Voltage (Un)	120/240 V	120 V	120/208 V	240 V	240 V	480 V	277/480 V
Distribution System	1Ph 3W+G	1Ph 2W+G	3Ph Y 4W+G	3Ph Δ 3W+G	1Ph 2W+G	3Ph Δ 3W+G	3Ph Y 4W+G
Max Continuous Operating Voltage (Uc)	180/360 V	180 V	150/300 V	275 V	350 V	550 V	350/700 V
Frequency	0 – 600 Hz						
Short Circuit Current Rating (SCCR)	200 kA						
Nominal Discharge Current (In), Per Mode	20 kA 8/20 μ s						
Max Discharge Current (Imax), Per Phase	160 kA 8/20 μ s						
Voltage Protection Rating (VPR), L-L	1,200 V	–	1,000 V	1,500 V	–	3,000 V	2,000 V
Voltage Protection Rating (VPR), L-N	700 V	700 V	600 V	–	1,200 V	–	1,200 V
Voltage Protection Rating (VPR), L-PE	700 V	700 V	700 V	900 V	1,000 V	1,500 V	1,000 V

Part Number	SES160B120/240SP	SES160B120V	SES160B208Y	SES160B240D	SES160B240V	SES160B480D	SES160B480Y
Voltage Protection Rating (VPR), N-PE	600 V	600 V	500 V	–	1,000 V	–	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	18"						
Lead Size	#12						
Temperature	–40 to 185°F						
Enclosure Material	Polycarbonate						
Enclosure Rating	NEMA®-4X; UL® 50E Type 4						
Mounting	3/4" straight nipple						
Unit Weight	1.16 lb						
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 ANSI®/IEEE® C62.45-2002 Cat A, Cat B, Cat C						
Depth	2.93"						
Height	4.2"						
Width	3 1/4"						



Our powerful portfolio of brands:

CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER