

SERVICE ENTRANCE SUPPRESSION



NEW + IMPROVED!

FEATURES

- Compact design can be directly mounted to panel or installed in a small space
- Front facing design eases installation and performance monitoring
- 40 kA 8/20 μ s maximum surge rating per mode
- UL[®] 50 Type 4X
- UL 1449 Ed. 4 Type 1 rating
- Optional Flush Mounting Plate

The nVent ERICO SES40P Series of Surge Protective Devices (SPD) provide economical protection against damaging transients and surge events. These Type 1 devices are UL[®] Listed to UL 1449 Edition 4 and cUL[®] Listed to CAN/CSA C233.1. This allows installations on the line or load side (Type 1 or Type 2) of the service panel in accordance with the NEC[®] 2014 or CAN/CSA C233.1 without the requirement for additional circuit breakers or fuses.

Primary applications are service entrance, branch, commercial, industrial, and residential. Other applications include OEM panels, solar combiner boxes, UL 96A lightning protection installations and light pole applications. The housing is constructed of UV-stabilized thermoplastic and meets the UL 50 Type 4x rating, making it ideal for both indoor and outdoor applications. All of the models have a 20kA nominal discharge current rating, the highest level recognized under the UL 1449 Edition 4 standard.

Model	SES40P120/240SP	SES40P1201P	SES40P2083P	SES40P2401P	SES40P4803P
Nominal System Voltage, U_n	120/240 VAC	120 VAC	120/208 VAC	240 VAC	277/480 VAC
Distribution System	1Ph 2W+G	1Ph 2W+G	3Ph 4W+G, 3Ph Δ 3W+G	1Ph 2W+G	3Ph 4W+G, 3Ph Δ 3W+G
Max Cont. Operating Voltage, U_c	150/300 VAC	150 VAC	150/300 VAC	300 VAC	340/590 VAC
Frequency	0-100 Hz				
Max Discharge Current, $I_{(max)}$	40 kA 8/20 μ s per mode				
Nominal Discharge Current, I_n	20 kA 8/20 μ s				
Protection Modes	L-L, L-N	L-G, L-N, N-G	L-G, L-L, L-N, N-G	L-G, L-N, N-G	L-G, L-L, L-N, N-G
Voltage Protection Rating (VPR)	1800, 1900 V @ 3 kA	900, 1800, 900 V @ 3 kA	1800, 1800, 900, 900 V @ 3 kA	1500, 2500, 1200 V @ 3 kA	2500, 2500, 1500, 1500 V @ 3 kA
Short Circuit Current Rating (SCCR)	200 kA				
Status	Blue LED indicator				

Model	SES40P120/240SP	SES40P1201P	SES40P2083P	SES40P2401P	SES40P4803P
Dimensions H x D x W: in (mm)	2.75 X 3 X 4.75 (69.85 X 76.20 X 120.65)				
Weight lbs (kg)	0.55 (0.25)	0.55 (0.25)	0.85 (0.385)	0.55 (0.25)	0.85 (0.385)
Enclosure	NEMA® 4x, IP 65				
Connection	36" of #12 AWG (900 mm of 3.31 mm ²) flying leads				
Mounting	1/2" straight nipple				
Temperature	-40°C to 80°C (-40°F to 176°F)				
Approvals	UL® 1449 Ed. 4 Listed Type 1/2, 20kA mode				
Available Options	Flush Mounting Plate (Part #: SES40PFP)				



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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 nVent.com/ERICO 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/or death, and void your warranty.

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Erico-DS-E1061S-E143LT16NAEN-EN-1805