

## SERVICE ENTRANCE SUPPRESSOR(P), 40 KA, 120/208 VAC UN

### CATALOG NUMBER

## SES40P2083P



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 CSA 22.2 No. 269.1-17. This allows installations on the line or load side (Type 1 or Type 2) of the service panel in accordance with NEC® or CSA 22.2 No. 269.1-17 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.

### CERTIFICATIONS



### 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  $\mu$ s maximum surge rating per mode

UL® 50 Type 4X

Optional Flush Mounting Plate

### PRODUCT ATTRIBUTES

Nominal System Voltage (Un): 120/208 VAC

Distribution System: 3Ph 4W+G; 3Ph $\Delta$  3W+G

Max Continuous Operating Voltage (Uc): 150/300 VAC

Frequency: 0 – 100 Hz

Short Circuit Current Rating (SCCR): 200 kA

Nominal Discharge Current (In), Per Mode: 20 kA 8/20 -s

Max Discharge Current (Imax), Per Mode: 40 kA 8/20 -s

Voltage Protection Rating (VPR), L-L: 1800 V

Voltage Protection Rating (VPR), L-N: 800 V

Voltage Protection Rating (VPR), L-PE: 1800 V

Voltage Protection Rating (VPR), N-PE: 800 V

Status Indication: Blue LED

Technology: MOV with thermal disconnect

Lead Length: 36"

Temperature: -40 to 176 °F

Enclosure Material: UL® 94V-0 Thermoplastic

Enclosure Rating: NEMA®-4X; IP 65

Mounting: 1/2- straight nipple

Unit Weight: 0.85 lb

Certification Details: UL® 1449 Edition 5 Type 1/2, 20 kA Mode; CSA C22.2 No. 269.1-17

Complies With: ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C

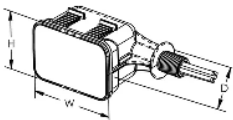
Depth: 3"

Height: 2 3/4"

Width: 4 3/4"

## DIAGRAMS

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## WARNING

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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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