# SERVICE ENTRANCE SUPPRESSOR(P), 40 KA, 480 VAC UN

## CATALOG NUMBER

**SES40P4801P**



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

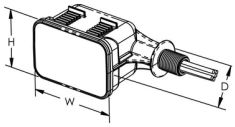
- Compact design can be directly mounted to panel or installed in a small space
- Front-facing design eases installation and performance monitoring
- 40 kA 8/20 µs maximum surge rating per mode
- UL® 50 Type 4X
- Optional Flush Mounting Plate

## PRODUCT ATTRIBUTES

- Nominal System Voltage (Un): 480 VAC
- Distribution System: 1Ph 2W+G
- Max Continuous Operating Voltage (Uc): 590 VAC
- Frequency: 0 - 100 Hz
- Short Circuit Current Rating (SCCR): 200 kA
- Nominal Discharge Current (In), Per Mode: 10 kA 8/20 µs
- Max Discharge Current (Imax), Per Mode: 40 kA 8/20 µs
- Voltage Protection Rating (VPR), L-N: 1500 V

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| Voltage Protection Rating (VPR), L-PE: 2500 V |
| Voltage Protection Rating (VPR), N-PE: 1500 V |
| Status Indication: Blue LED |
| Technology: MOV with thermal disconnect |
| Lead Length: 36 |
| Lead Size imperial: #12 |
| Temperature: -40 to 176 °F |
| Enclosure Material: UL® 94V-0 Thermoplastic |
| Enclosure Rating: NEMA®-4X;IP 65 |
| Mounting: 1/2” straight nipple |
| Unit Weight: 0.55 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




## 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 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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