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

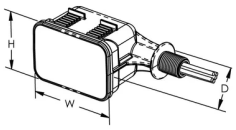
- Compact design can be directly mounted to panel or installed in a small space
- Front-facing design eases installation and performance monitoring
- 40 kA 8/20 µs maximum surge rating per mode
- UL® 50 Type 4X
- Optional Flush Mounting Plate

PRODUCT ATTRIBUTES

- Nominal System Voltage (Un): 120/208 VAC
- Distribution System: 3Ph 4W+G;3PhΔ 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 µs
- Max Discharge Current (Imax), Per Mode: 40 kA 8/20 µs
- 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
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: 0.85 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



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.

North America
+1.800.753.9221
Option 1 – Customer Care
Option 2 – Technical Support

Europe
Netherlands:
+31 800-0200135
France:
+33 800 901 793

Europe
Germany:
800 1890272
Other Countries:
+31 13 5835404

APAC
Shanghai:
+ 86 21 2412 1618/19
Sydney:
+61 2 9751 8500

Our powerful portfolio of brands:
nVent.com CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER

© 2024 nVent. All nVent marks and logos are owned or licensed by nVent Services GmbH or its affiliates. All other trademarks are the property of their respective owners.
nVent reserves the right to change specifications without notice.