

# Service Entrance Suppressor, 40 kA, Metal



## CERTIFICATIONS



## FEATURES

Compact NEMA®-4 enclosure design can be flush mounted or installed in a small space

LED status indication flag for status monitoring

120/240 VAC operating voltage suits the most common power distribution system for residential or small commercial buildings

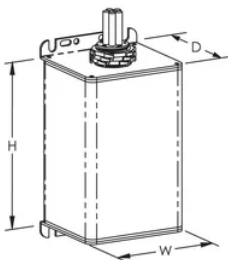
40 kA 8/20  $\mu$ s maximum surge rating provides protection suitable for service entrance and distribution panels

## SPECIFICATIONS

| Catalog Number                         | SES40120/240      |
|----------------------------------------|-------------------|
| Nominal System Voltage (Un)            | 120/240 V         |
| Distribution System                    | 1Ph 3W+G          |
| Max Continuous Operating Voltage (Uc)  | 170/276 VAC       |
| Frequency                              | 50 - 60 Hz        |
| Short Circuit Current Rating (SCCR)    | 200kA             |
| Nominal Discharge Current (In)         | 20kA 8/20 $\mu$ s |
| Max Discharge Current (Imax), Per Mode | 40kA 8/20 $\mu$ s |

|                                 |                                                                                                                                                               |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>           | <b>SES40120/240</b>                                                                                                                                           |
| Voltage Protection Rating (VPR) | 800 V @ 3 kA<br>1200 V @ 20 kA                                                                                                                                |
| Protection Modes                | L-L<br>L-N<br>L-PE                                                                                                                                            |
| Status Indication               | LED                                                                                                                                                           |
| Technology                      | MOV with thermal disconnect                                                                                                                                   |
| Lead Length                     | 762mm                                                                                                                                                         |
| Lead Size                       | 5.26 mm <sup>2</sup>                                                                                                                                          |
| Ground Lead Length              | 900mm                                                                                                                                                         |
| Temperature                     | -40 to 80 °C                                                                                                                                                  |
| Enclosure Material              | Metal                                                                                                                                                         |
| Enclosure Rating                | IP 65<br>NEMA®-4                                                                                                                                              |
| Mounting                        | 3/4" straight nipple                                                                                                                                          |
| Depth (D)                       | 73mm                                                                                                                                                          |
| Height (H)                      | 83 mm                                                                                                                                                         |
| Width (W)                       | 83 mm                                                                                                                                                         |
| Unit Weight                     | 0.7 kg                                                                                                                                                        |
| Certification Details           | UL® 1449 Edition 5 Type 1/2, 20 kA Mode                                                                                                                       |
| Complies With                   | ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C<br>ANSI®/IEEE® C62.41.2-2002 Scenario II, Exposure 2, 20 kA<br>8/20 µs, 2 kA 10/350 µs<br>IEC® 61643-1 Class II |

## 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](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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