

# Spark Gap Diverter



## CERTIFICATIONS



## FEATURES

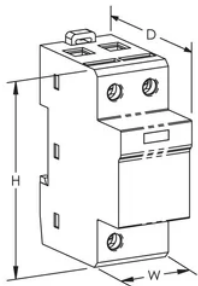
Effective equipotential bonding provides N-PE equalization protection bond on TT power distribution systems

## SPECIFICATIONS

| Catalog Number                               | SGD11002SNE                      |
|----------------------------------------------|----------------------------------|
| Article Number                               | 702400                           |
| Max Continuous Operating Voltage (Uc)        | 255 VAC                          |
| Max Discharge Current (Imax), Per Mode       | 140kA 8/20 $\mu$ s               |
| Voltage Protection Level (Up)                | 1200 V @ 20 kA<br>600 V @ 100 kA |
| Follow Current Extinguishing Capability @ Un | 200kA                            |
| Impulse Current (Iimp)                       | 100kA 10/350 $\mu$ s             |
| Max Operating Current                        | 0.5mA                            |
| Frequency                                    | 50 - 60 Hz                       |
| Protection Modes                             | N-PE                             |

| Catalog Number                      | SGD11002SNE                                                                                                                                                              |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Short Circuit Current Rating (SCCR) | 25kA                                                                                                                                                                     |
| Technology                          | Encapsulated Spark Gap                                                                                                                                                   |
| Connection, Solid                   | 35 mm <sup>2</sup> Max                                                                                                                                                   |
| Connection, Stranded                | 25 mm <sup>2</sup> Max                                                                                                                                                   |
| Enclosure Material                  | UL® 94V-0 Thermoplastic                                                                                                                                                  |
| Enclosure Rating                    | IP 20<br>NEMA®-1                                                                                                                                                         |
| Mounting                            | 35 mm top hat DIN rail                                                                                                                                                   |
| Temperature                         | -40 to 80 °C                                                                                                                                                             |
| Module Width                        | 2 M                                                                                                                                                                      |
| Depth (D)                           | 68mm                                                                                                                                                                     |
| Height (H)                          | 90 mm                                                                                                                                                                    |
| Width (W)                           | 36 mm                                                                                                                                                                    |
| Unit Weight                         | 0.3 kg                                                                                                                                                                   |
| Complies With                       | ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C<br>ANSI®/IEEE® C62.41.2-2002 Scenario II, Exposure 3, 100 kA<br>8/20 µs, 10 kA 10/350 µs<br>IEC® 61643-1 Class I, 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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