

# Spark Gap Diverter



## CERTIFICATIONS



## FEATURES

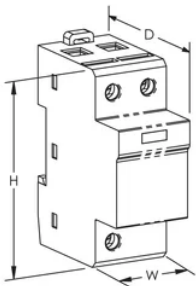
Effective equipotential bonding provides N-PE equalization protection bond on TT power distribution systems

## 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 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 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 ANSI®/IEEE® C62.41.2-2002 Scenario II, Exposure 3, 100 kA 8/20 µs, 10 kA 10/350 µs 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.

#### 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:

**CADDY**

**ERICO**

**HOFFMAN**

**ILSCO**

**SCHROFF**

**TRACHTE**