

Triggered Spark Gap



FEATURES

Triggering air gap technology provides low let-through voltage, which offers superior protection compared to traditional spark gaps

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

SPECIFICATIONS

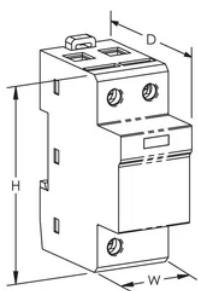
Catalog Number	TSG11302S	TSG11302S120V	TSG11302SNE
Nominal System Voltage (Un)	240 VAC	120 VAC	240 VAC
Max Continuous Operating Voltage (Uc)	440 VAC	150 VAC	440 VAC
Voltage Protection Level (Up)	1500 V @ 3 kA 2300 V @ 20 kA	1500 V @ 3 kA 2300 V @ 20 kA	1500 V @ 3 kA 2300 V @ 20 kA
Max Discharge Current (Imax)	130 50	130 50	130 50
Follow Current Extinguishing Capability @ Un	43kA	43kA	43kA
Impulse Current (Iimp)	50kA 10/350 μs	50kA 10/350 μs	50kA 10/350 μs
Max Operating Current	2.2mA	2.2mA	2.2mA
Protection Modes	Single	Single	Single
Technology	Triggered Spark Gap	Triggered Spark Gap	Triggered Spark Gap
Frequency	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
Enclosure Material	UL® 94V-0 Thermoplastic	UL® 94V-0 Thermoplastic	UL® 94V-0 Thermoplastic

Catalog Number	TSG11302S	TSG11302S120V	TSG11302SNE
Enclosure Rating	IP 20 NEMA®-1	IP 20 NEMA®-1	IP 20 NEMA®-1
Mounting	35 mm top hat DIN rail	35 mm top hat DIN rail	35 mm top hat DIN rail
Status Indication	LED for line connected modes	LED for line connected modes	
Temperature	-40 to 80 °C	-40 to 80 °C	-40 to 80 °C
Module Width	2 M	2 M	2 M
Depth (D)	68mm	68mm	68mm
Height (H)	90 mm	90 mm	90 mm
Width (W)	36 mm	36 mm	36 mm
Unit Weight	0.3 kg	0.3 kg	0.3 kg
Complies With	IEC® 61643-1 Class I, Class II 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 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 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

ADDITIONAL PRODUCT DETAILS

TSG11302SNE used for L-PE Mode; TSG11302S and TSG11302S120V used for L-N due to follow current control.

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:

CADDY

ERICO

HOFFMAN

ILSCO

SCHROFF

TRACHTE