

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

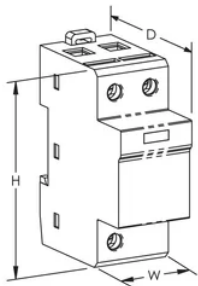
| Catalog Number | TSG11302S |
|--|---------------------------------|
| Nominal System Voltage (Un) | 240 VAC |
| Max Continuous Operating Voltage (Uc) | 440 VAC |
| Voltage Protection Level (Up) | 1500 V @ 3 kA 2300 V @ 20 kA |
| Max Discharge Current (Imax) | 130 50 |
| Follow Current Extinguishing Capability @ Un | 43kA |
| Impulse Current (Iimp) | 50kA 10/350 µs |
| Max Operating Current | 2.2mA |
| Protection Modes | Single |
| Technology | Triggered Spark Gap |
| Frequency | 50 - 60 Hz |
| Enclosure Material | UL® 94V-0 Thermoplastic |
| Enclosure Rating | IP 20 NEMA®-1 |

| Catalog Number | TSG11302S |
|-------------------|--|
| Mounting | 35 mm top hat DIN rail |
| Status Indication | LED for line connected modes |
| 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 | 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.

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