# Surge-Trap® Signal - STS RF

## SURGE PROTECTION FOR SIGNAL LINES

## RADIOFREQUENCY


STS RF is the series of surge protection devices for radiofrequency coaxial connectors. The range offers a variety of connectors for different applications. These are protectors for a final step of very fine protection to be installed as close as possible to particularly sensitive equipment connected to these communications lines. Meets the IEC 61643-21 standard.

## TECHNICAL DATA OVERVIEW

| | |
|---|---|
| Class | Type C2 |
| $U_n$ | 24 V |
| $U_c$ | 230 V |
| Imax | 20 kA |
| $I_n$ (8/20) | 10 A |
| Body Material | Metallic |
| Format | Coaxial |
| IP Code | 20 |
| Response Time | 1 ns |
| Bandwidth (fg) | 2500 MHz<br>3000 MHz |
| End of life mode | Line interruption |

## FEATURES & BENEFITS

- Maximum discharge current (8/20µs): 20kA
- Nominal discharge current (8/20µs): 10kA
- Maximum peak power: 100W
- Maximum operating voltage: 230V
- Bandwidth (100Ω): 3GHz
- Aerial connection
- Protection for radiofrequency lines
- 1 protected line
- Coaxial connector

## APPLICATIONS

- Industry and automation
  Commercial and residential installations
  Telecom & IT & Data Centers
  Photovoltaic & wind

## STANDARDS

- EN 61643-21

CE RoHS

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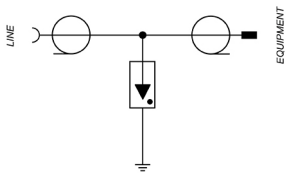
## PRODUCT RANGE

### RF

| Catalog number | Item number | $U_n$ | $U_c$ | $I_{max}$ (8/20) | $I_n$ (8/20) | $U_p$ at $I_n$ | Bandwidth (fg) | Impedance | Max. Power |
|---|---|---|---|---|---|---|---|---|---|
| **UHF (m-f)** | | | | | | | | | |
| STS-RF-N | 83040715 | 24 V | 230 V | 20 kA | 10 kA | ≤ 600 V | 3000 MHz | 75 Ω (ohm) | 100 W |
| **F (m-f)** | | | | | | | | | |
| STS-RF-F | 83040725 | 24 V | 230 V | 20 kA | 10 kA | ≤ 600 V | 2500 MHz | 75 Ω (ohm) | 100 W |
| **N (m-f)** | | | | | | | | | |
| STS-RF-UHF | 83040735 | 24 V | 230 V | 20 kA | 10 kA | ≤ 600 V | 3000 MHz | 50 Ω (ohm) | 150 W |

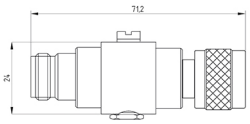
## ELECTRICAL DIAGRAMS

### STS-RF

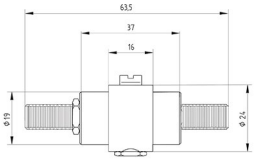



## DIMENSIONS

### STS-RF-N




### STS-RF-F




### STS-RF-UHF