

# Early Streamer Emission Terminal



nVent ERICO INTERCEPTOR ESE i-Series generates controlled magnitude and frequency pulses at the tip of the terminal during high static fields prior to a lightning discharge. This enables the creation of an upward leader from the terminal that propagates toward the downward leader coming from the thunder cloud.

These early streamer emission air terminals (ESEAT) are in accordance with the 2011 edition of NFC 17-102. The design requirements, protection level calculations and protection radius are obtained from this standard. Due to the internal control circuit, the nVent ERICO INTERCEPTOR ESE i-Series enables the early launching of an upward leader compared to other passive components.

The nVent ERICO INTERCEPTOR ESE i-Series has been extensively tested at an independent high-voltage laboratory in accordance with the revised 2011 requirements of French NFC 17-102. The testing, as defined in the standard, was designed to simulate naturally occurring conditions and allow comparison of the performance between differing types of lightning protection systems.

## CERTIFICATIONS



## FEATURES

Designed and tested to NF C 17-102 and similar standards

Available in three models to suit specific site requirements

Suitable for use with a variety of downconductor systems including tape, stranded conductor and nVent ERICO Ericore conductor

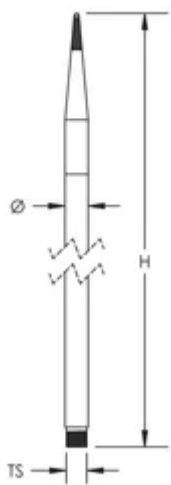
## SPECIFICATIONS

**Complies With:** NF C17-102:2011;NP 4426:2013;UNE 21186:2011

| Table 1/2      |                                  |                               |             |                            |            |                  |
|----------------|----------------------------------|-------------------------------|-------------|----------------------------|------------|------------------|
| Catalog Number | Material                         | Triggered Advance, $\Delta T$ | Temperature | Diameter ( $\varnothing$ ) | Height (H) | Thread Size (TS) |
| SI25I          | Stainless Steel 304L (EN 1.4306) | 25 $\mu$ s                    | 120 °C Max  | 28 mm                      | 684.6 mm   | MF25             |
| SI60I          | Stainless Steel 304L (EN 1.4306) | 60 $\mu$ s                    | 120 °C Max  | 28 mm                      | 684.6 mm   | MF25             |
| SI60I316       | Stainless Steel 316L (EN 1.4404) | 60 $\mu$ s                    | 120 °C Max  | 28 mm                      | 684.6 mm   | MF25             |
| SI45I          | Stainless Steel 304L (EN 1.4306) | 45 $\mu$ s                    | 120 °C Max  | 28 mm                      | 684.6 mm   | MF25             |

| Table 2/2      |             |                 |
|----------------|-------------|-----------------|
| Catalog Number | Unit Weight | Certifications  |
| SI25I          | 1.53 kg     | UL (NF C17-102) |
| SI60I          | 1.45 kg     | UL (NF C17-102) |
| SI60I316       | 1.45 kg     |                 |
| SI45I          | 1.36 kg     |                 |

### 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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