

# High Speed Data Line Protector



## CERTIFICATIONS



## FEATURES

Multi-stage protection with primary or combination primary/secondary protectors

10 pair protector

Provides both L-L and L-PE protection modes for comprehensive protection

Simple installation into Krone® LSA disconnect block

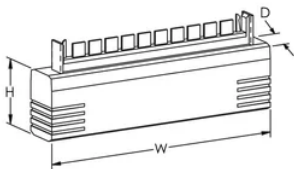
Data Line Terminator (DLT) available where screw terminal connections are required

## SPECIFICATIONS

| Catalog Number                        | HSP10K36          | HSP10K230         | HSP10K12          |
|---------------------------------------|-------------------|-------------------|-------------------|
| Article Number                        | 700805            | 700860            | 700815            |
| Max Continuous Operating Voltage (Uc) | 40 VDC            | 190 VDC           | 13 VDC            |
| Max Discharge Current (Imax), L+L-PE  | 20kA 8/20 $\mu$ s | 20kA 8/20 $\mu$ s | 20kA 8/20 $\mu$ s |
| Rated Load Current (IL)               | 150mA             | 150mA             | 150mA             |
| Frequency                             | 12 MHz Max        | 12 MHz Max        | 12 MHz Max        |

| Catalog Number        | HSP10K36                | HSP10K230               | HSP10K12                |
|-----------------------|-------------------------|-------------------------|-------------------------|
| Transmission Rate     | 8Mbit/s                 | 8Mbit/s                 | 8Mbit/s                 |
| Protection Modes      | L-L<br>L-PE             | L-L<br>L-PE             | L-L<br>L-PE             |
| Technology            | Multi-stage             | Multi-stage             | Multi-stage             |
| Connection Type       | Krone® LSA-PLUS         | Krone® LSA-PLUS         | Krone® LSA-PLUS         |
| Impedance Balance     | 55 dB Max               | 55 dB Max               | 55 dB Max               |
| Insertion Loss        | .4 Db Max               | .4 Db Max               | .4 Db Max               |
| Return Loss           | 20 dB Max               | 20 dB Max               | 20 dB Max               |
| Loop Resistance       | 16.4 $\Omega$           | 6.6 $\Omega$            | 16.4 $\Omega$           |
| Temperature           | -20 to 60 °C            | -20 to 60 °C            | -20 to 60 °C            |
| Enclosure Material    | UL® 94V-0 Thermoplastic | UL® 94V-0 Thermoplastic | UL® 94V-0 Thermoplastic |
| Depth (D)             | 21mm                    | 21mm                    | 21mm                    |
| Height (H)            | 35 mm                   | 35 mm                   | 35 mm                   |
| Width (W)             | 125 mm                  | 125 mm                  | 125 mm                  |
| Unit Weight           | 0.02 kg                 | 0.02 kg                 | 0.02 kg                 |
| Certification Details |                         | UL® 497                 |                         |

## 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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