

# Potential Equalization Clamp



## CERTIFICATIONS



## FEATURES

High peak current capability provides long service life

Weatherproof enclosure is suitable for direct burial

The PEC100 is ATEX approved and suitable for use in potentially explosive atmospheres

## SPECIFICATIONS

Table 1/2

| Catalog Number                | PEC100                   |
|-------------------------------|--------------------------|
| Article Number                | 702900                   |
| Spark-Over Voltage @ 100 V/s  | 350 V                    |
| Max Discharge Current (Imax)  | 100kA 8/20 $\mu$ s       |
| Technology                    | Gas Discharge Tube (GDT) |
| Insulation Resistance         | 10 G $\Omega$            |
| Capacitance                   | 15 pF Max                |
| Voltage Protection Level (Up) | 800 V @ 1000 V/ $\mu$ s  |
| Impulse Current (Iimp)        | 25kA 10/350 $\mu$ s      |

|                       |                    |
|-----------------------|--------------------|
| <b>Catalog Number</b> | <b>PEC100</b>      |
| Lead Length           | 450mm              |
| Lead Size             | 16 mm <sup>2</sup> |
| Enclosure Rating      | IP 66<br>IP 67     |
| Temperature           | -30 to 70 °C       |
| Diameter 1 (Ø1)       | 28 mm              |
| Diameter 2 (Ø2)       | 16.3 mm            |

Table 2/2

|                       |  |
|-----------------------|--|
| <b>Catalog Number</b> | <b>PEC100</b>                                  |
| Length (L)            | 953mm  |
| Unit Weight           | 0.5 kg   |
| Complies With         | IEC® 61643-1 Class I, Class II<br>IEC® 62561-3 |

## ADDITIONAL PRODUCT DETAILS

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Spark-over voltage has a tolerance of +/- 20%.

## DIAGRAMS

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## WARNING

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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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