

# Delta™ Series Protector

## Hybrid Protector Module

CPE/Premise Wiring

Utility/Municipality

Wireless



The Delta™ Protector provides premium, high-speed protection for sensitive communications and data equipment. The module of choice in high lightning areas, the Delta offers superior protection from overvoltages and overcurrents preventing costly damages to equipment.

The Delta™ Protector coordinates very high speed diodes with a powerful, three-element gas tube. When exposed to high voltage conditions, the diode, with a response time of less than 5 nanoseconds, reacts to clamp the voltage until the gas tube ionizes and shunts the energy to ground.

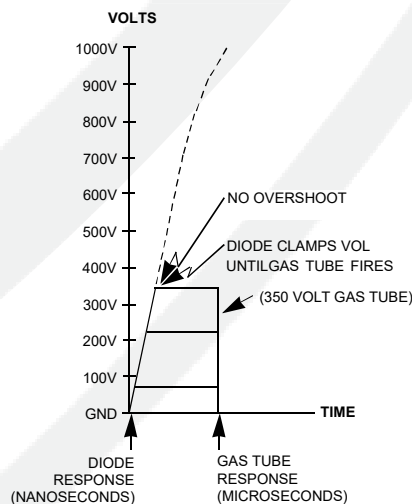
### KEY PRODUCT BENEFITS

- ▶ Available in 350V
- ▶ Five-pin configuration
- ▶ Compatible with other manufacturers' equipment
- ▶ Quality components: high-speed diode, superior 3-element gas tube, and dependable sneak fuse
- ▶ Reduces service calls and repair costs

### INDUSTRY STANDARDS

- ▶ Listed to UL497

### Protection Input & Output Waveform



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## ELECTRICAL SPECIFICATIONS

	350 Volt	Test Parameters*
<b>DC Breakdown</b>	300-370V	2000V/Sec max
<b>Clamping Voltage</b>	500V Max @ 3A	IEEE P465.4/D5
<b>Clamping Time</b>	<10 nSec	IEEE P465.4/D5
<b>Standoff Voltage</b>	375V	IEEE P465.4/D5
<b>Capacitance</b>	<100 pF	GTS 8345
<b>Rated Peak Pulse Power (1 Millisecond)</b>	1500 W	IEEE P465.4/D5 (Reference Definition)
<b>Reverse Leakage Current (At Standoff Voltage)</b>	<5μ A	
<b>AC Discharge</b>	90 A RMS	11 Cycles of 60 Hz Waveform
<b>Fail-safe Operation</b>	100 Sec @ 0.5A 50 Sec @ 1.0A 15 Sec @ 5.0A 10 Sec @ 20.0A	
<b>Line Series Resistance</b>	4 ohms max.	Line in/Line out
<b>Insulation Resistance (Minimum)</b>	NA	50 VDC
	100 M Ω	100 VDC
<b>DC Holdover</b>	52V, 260 mA 135V, 200mA 150V, 140mA	150 mSec max. to extinguish

Operating Temperature: – 13°F to + 149°F ( – 25°C to + 65°C)

\* Tested per specification REA PE-80

## ORDERING INFORMATION

CONFIGURATION	350 VOLT	OVER CURRENT	BODY COLOR	APPLICATION	REPLACEMENT FOR
<b>FIVE-PIN</b>	<b>195BCDXN-350<sup>†</sup></b>	4 Ohm Heat Coil	Black	Standard Circuit	195BCSDXN-350

<sup>†</sup>MOQ of 1,000 units only.

Call for pricing & availability for other configurations.