New 3-Phase Burst Pulse CDN for EFT Testing

Teseq now offers a 200 A 3-phase burst pulse coupling/decoupling network (CDN) for electrical fast transient (EFT) and burst testing. The new CDN 3083-B200 easily handles high inrush currents and pulse-shaped peak currents, making it ideal for testing high current and high power equipment in large machines, appliances and smart grid applications.

This new CDN injects fast burst pulses, up to 8 kV (5/50 ns – 50 ?), into the supply lines of the equipment under test (EUT). It is designed to be used with an EUT supply up to 690 VAC, either line-to-line or line-to-ground, or up to 1,000 VDC, line-to-line or line-to-ground.

Compliant with IEC 61000-4-4, Teseq's CDN 3083-B200 is compatible with all brands of burst generators. The new system is compact, lightweight and easy to handle. It is especially convenient for off-site testing as well as allowing for more set-up options in standard compliance applications, where the distance between the CDN and EUT is short and the use of combined CDNs cannot meet the requirements set by testing standards.

To prevent damage to internal components, the CDN 3083-B200 features a large overstress capability and a built-in thermometer that monitors temperature to avoid overload.

Although designed for continuous performance up to 200 A per phase, the CDN 3083-B200 can withstand considerably higher currents for shorter durations.

The CDN 3083-B200 features screw terminals rated for 200 A, a maximum burst voltage of 8,000 V and earth terminal grounding.

This new CDN weighs approximately 11 kg (24.25 lbs) and is 430 mm (16.9") wide, 310 mm (12.20") high and 190 mm (7.48") deep.

For further information please visit TESEQ's website at www.teseq.com. [1]

August 13, 2012

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[1] http://www.teseq.com