Automated 3-Phase CDN Touts Reliable High Power Consumption EUT Testing

Teseq Inc. released an automated 3-phase coupling/decoupling network (CDN) for EFT and surge testing. The CDN 3063 provides safe, reliable operation in a wide range of test setups, including higher current level and 3-phase EUT (equipment under test) testing. To prevent damage to internal components, the CDN 3063 comes standard with over temperature protection that allows short term operation at current exceeding the nominal rating. A phase rotation indicator in the 3-phase models shows a correctly sequenced power connection for safe EUT operation. The system meets IEC requirements for EUT currents over 16 A and ANSI specifications for special coupling modes and pulse amplitude control making it fully compliant with both industry standards. The CDN 3063 couples burst and surge pulses in 1-, 2- or 3-phase power mains up to 480 V with a current range up to 32 A that incorporates the new IEC standard's provision for testing EUT's with high power consumption. The standard defines three classes of filter inductance for current ranges: up to 25 A, 25 A to 60 A and 60 A to 100 A. Reduced decoupling inductances in series with the EUT power connection are used in order to minimize series voltage losses with higher current EUTs.

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