

Coupling-/Decoupling Network

CDN 6463/10463

3* 400 V / 63 A

max. test voltage 10 kV, 1.2/50 μ s

max. test current 5 kA, 8/20 μ s

+ Burst 4.5 kV, 5/50 ns

The capacitive Coupling-/Decoupling Networks CDN 6463 and CDN 10463 are used in combination with the Surge generators PG 6-204, PG 10-504 or CE-TESTER and allow superimposition of surge and burst test pulses to the 3-phase mains voltage of the device under test.



The test set-up is suitable for immunity testing of electronic systems and devices according to IEC 61000-4-4, EN 61000-4-4, IEC 61000-4-5, EN 61000-4-5 and IEEE 587.

The CDN 6463/CDN 10463 contain the coupling impedances 18 μ F and 9 μ F + 10 Ω for the surge generator and 33 nF for the burst generator and the decoupling impedances for the 3-phase power supply lines. As an option the Ring-Wave generator IPG 612 or IPG 512 can be connected to the CDN 6463 / CDN10463 instead of the surge generator.

Coupling mode can be selected from the front panel of the generator connected. Control commands are transmitted from the generator to the Coupling-/Decoupling Network by use of an optical link.

The coupling impedance and the coupling path selected are indicated on the front panel of the coupling-/decoupling network.

Technical specification:

CDN 10463 / CDN 6463

Nominal voltage, Nominal current, AC/DC	3*400V/50-60 Hz 63A \approx /40A=
Series inductors to the mains power supply	4 * 1.5 mH +160 μ H/64 A
max. test voltage for the surge generator, waveform 1.2/50 μ s max. test voltage for the burst generator, waveform 5/50 ns	10 kV / 6 kV 4.5 kV
Coupling mode, selectable, for the surge generator	line to line via 18 μ F or line to ground via 9 μ F+10 Ω
Coupling mode, selectable, for the burst generator	line to ground via 33 nF
Mains power	230 V, 50/60 Hz
Dimensions: desk top case W * H * D	471*320*520 mm ³
Weight	65 kg

Technical specification subject to change

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