

Coupling-/Decoupling Network

CDN 4463 / 6463 / 10463 / 12463

3* 400 V / 63 A

**Surge: 5 / 7 / 10 / 12kV, 1.2/50 μ s
2.5 / 3.5 / 5.0 kA, 8/20 μ s**

Burst: 5.0 kV, 5/50 ns

The capacitive Coupling-/Decoupling Networks CDN 4463/6463/10463/12463 are used in combination with the CE-Tester or the Surge generators PG 7-250, PG 12-804 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, IEC 61000-4-5 and IEEE 587.

The CDN 4463/6463/10463 contains 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 a Ring-Wave generator can be connected to the CDN 4463/6463/10463/12463 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 4463 / 6463 / 10463 / 12463
Nominal voltage,	3 * 400 V, 50/60 Hz
Nominal current, AC/DC	64A\approx/40A=
Series inductors to the mains power supply	4 * 1.5 mH +160 μ H/64 A
max. test voltage Surge, 1.2/50 μ s:	5.0 kV / 7.0 kV / 10.0 kV / 12.0kV
max. test voltage Burst, 5/50 ns:	5.0 kV, 5/50 ns
Coupling mode, selectable, for the surge generator	line to line via 18 μ F oder 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
Option: CDN 12263	CDN for single phase L1,N,PE