# Coupling-/Decoupling Network
# CDN 4463 / 6463 / 10463 / 12463

**3* 400 V / 63 A**

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

**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 µF and 9 µF + 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**≈/40A= |
| Series inductors to the mains power supply | 4 * 1.5 mH +160 µH/64 A |
| max. test voltage Surge, 1.2/50 µs: | **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 µF oder |
| | line to ground via 9 µF+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 |