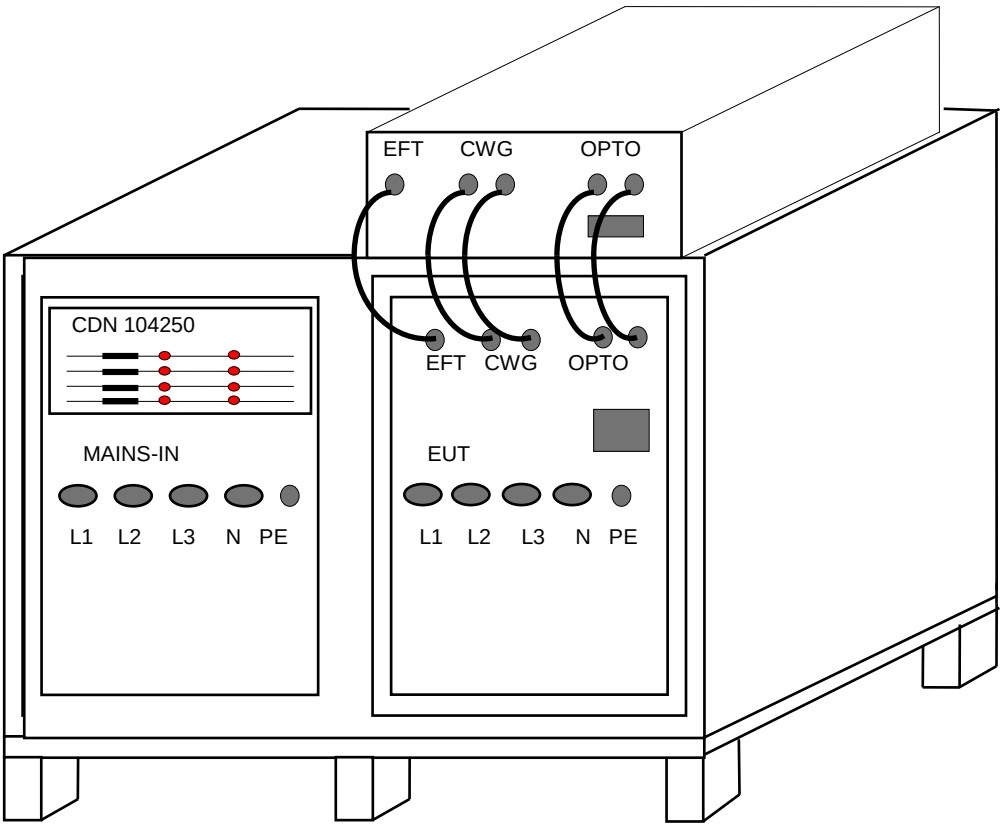
Coupling-/Decoupling Network
CDN xx4250

3* 400 V / 250 A

Surge: 5 / 7 / 10 / 12kV, 1.2/50 µs
2.5 / 3.5 / 5 / 6 kA, 8/20 µs

Burst: 5 kV, 5/50 ns



The capacitive Coupling-/Decoupling Networks CDN xx4250 are used in combination with the CE-Tester or the Surge generators PG7-250, PG10-504, PG12-804 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 xx4250 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 the Ring-Wave generator IPG 612T can be connected to the CDN 104250 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 44250 / 64250 / 104250 / 124250**
Nominal voltage,	3 * 400 V, 50/60 Hz
Nominal current, AC/DC	**250A≈/250A=**
Series inductors to the mains power supply	4 * 1.5 mH +160 µH
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
5 Mains-in and 5 EUT connectors	binding posts with flat clamp
Mains power	230 V , 50/60 Hz
Dimensions: rack case W * H * D	1100 * 1100 * 800 mm^3
Weight	540 kg
Option:	
Nominal voltage	3 * 690 V / 1000 VDC, 50/60 Hz