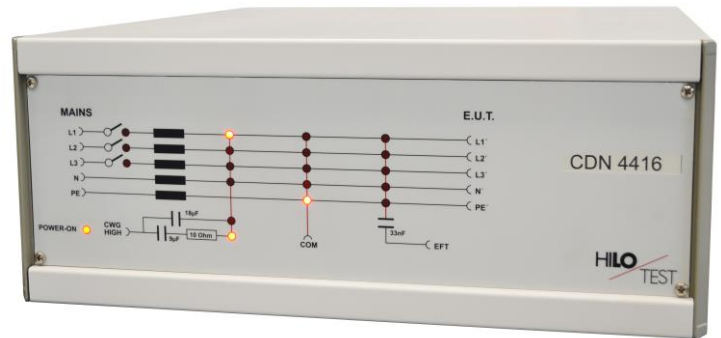


# Coupling-/Decoupling Network

## CDN 4416 / 6416 / 10416 / 12416

**3\* 400 V / 16 A**  
**Surge: 5.0 / 7.0 / 10 / 12kV, 1.2/50  $\mu$ s**  
**2.5 / 3.0 / 5.0 / 6.0kA, 8/20  $\mu$ s**  
**Burst: 5.0 kV, 5/50 ns**



The capacitive Coupling-/Decoupling Networks CDN 4416/6416/10416/12416 are used in combination with the CE-Tester or the Surge generators PG 7-250, PG 10-504, 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 surge immunity testing of electronic systems and devices according to IEC 61000-4-4, IEC 61000-4-5 and IEEE 587.

The CDN 4416/6416/10416/12416 contains the coupling impedances 18  $\mu$ F and 9  $\mu$ F + 10  $\Omega$  for the surge generator and 33 nF for the burst generator and the decoupling impedances for the 3-phase power supply lines.

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

<b>Technical specification:</b>	<b>CDN 4416 / CDN 6416 / CDN 10416 / CDN 12416</b>
Nominal voltage	3 * 400 V, 50/60 Hz
Nominal current AC/DC	16A $\approx$ /10A=
Series inductors to the mains power supply	4 * 2.5 mH +160 $\mu$ H/16 A
max. test voltage Surge, 1.2/50 $\mu$ s:	<b>5.0 kV / 7.0 kV / 10 kV / 12 kV</b>
max. test voltage Burst, 1.2/50 $\mu$ s:	5.0 kV, 5/50 ns
Coupling impedance for the surge generator	18 $\mu$ F / 9 $\mu$ F + 10 $\Omega$
Coupling impedance for the burst generator	33 nF
Coupling mode, selectable, for the surge generator	line to line via 18 $\mu$ F or
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*156*520 mm <sup>3</sup> / 471*310*520 mm <sup>3</sup>
Weight	30 kg / 58 kg
<b>Option:</b>	
Nominal voltage	3 * 690 V, 50/60 Hz