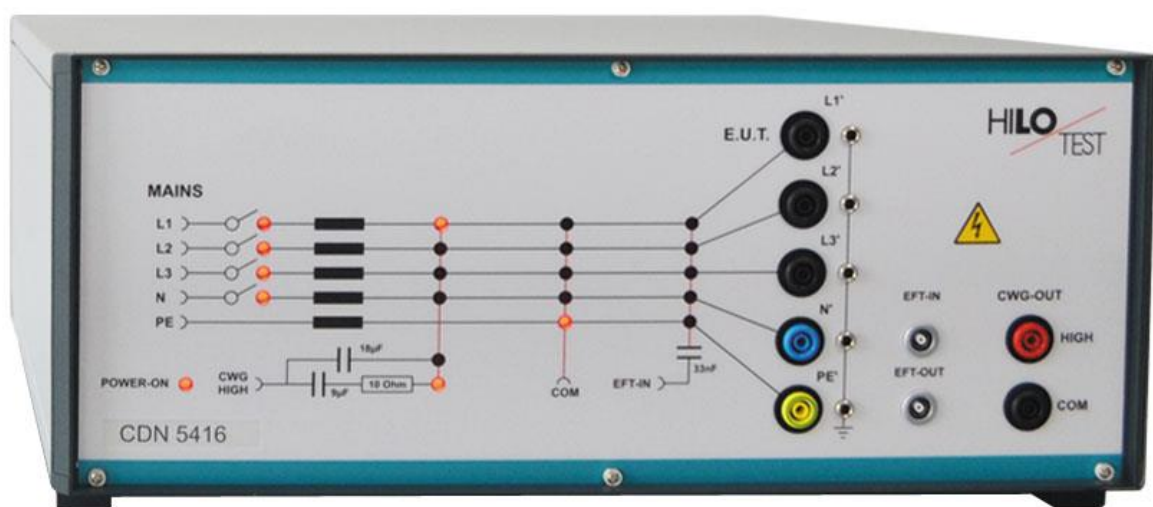


# Coupling-/Decoupling Network

## CDN 5432 / 7432 / 10432 / 12432

<b>Main</b>	<b>3* 400 V / 32 A</b>
<b>Surge</b>	<b>1.2/50 <math>\mu</math>s: 5.0 / 7.0 / 10 / 12kV</b>
	<b>8/20 <math>\mu</math>s: 2.5 / 3.0 / 5.0 / 6.0kA</b>
<b>Burst</b>	<b>5.0 kV, 5/50 ns</b>



### According to

**IEC 61000-4-4**

**IEC 61000-4-5**

**IEEE 587**

The capacitive Coupling-/Decoupling Networks CDN 5432/ 7432/ 10432/ 12432 are used in combination with the Multi-CE5 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.

The CDN 5432/ 7432/ 10432/ 12432 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 a control cable.

### Typical configurations:

Multi CE5 1 + CDN 5432: for 3-phase testing



Technical specification:	CDN 5432	CDN 7432	CDN 10432	CDN 12432
Nominal voltage	3 * 400 V, 50/60 Hz			
Nominal current AC/DC	32 A <sub>≈</sub> / 20 A <sub>=</sub>			
Series inductors to the mains power supply	<1.5 mH + >100 μH			
max. test voltage Surge, 1.2/50 μs:	<b>5.0 kV</b>	<b>7.0 kV</b>	<b>10 kV</b>	<b>12 kV</b>
max. test voltage Burst, 5/50 ns:	<b>5.0 kV</b>			
Coupling impedance for the surge generator	18 μF 9 μF + 10 Ω			
Coupling impedance for the burst generator	33 nF			
Coupling mode, selectable, for the surge generator	line to line via 18 μF or line to ground 9 μF + 10 Ω			
Coupling mode, selectable, for the burst generator	line to ground via 33 nF			
Impuls Synchronisation	Mains, Extern			
Burst Input	Fischer			
Surge Input	4 mm Bush			
Mains power	90V - 264V , 50/60 Hz			
Dimensions: desk top case W * H * D	450*180*500 mm <sup>3</sup>		450*310*500 mm <sup>3</sup>	
Weight	48 kg		90 kg	
<b>Option:</b>				
Nominal voltage	3 * 690 V, 50/60 Hz			