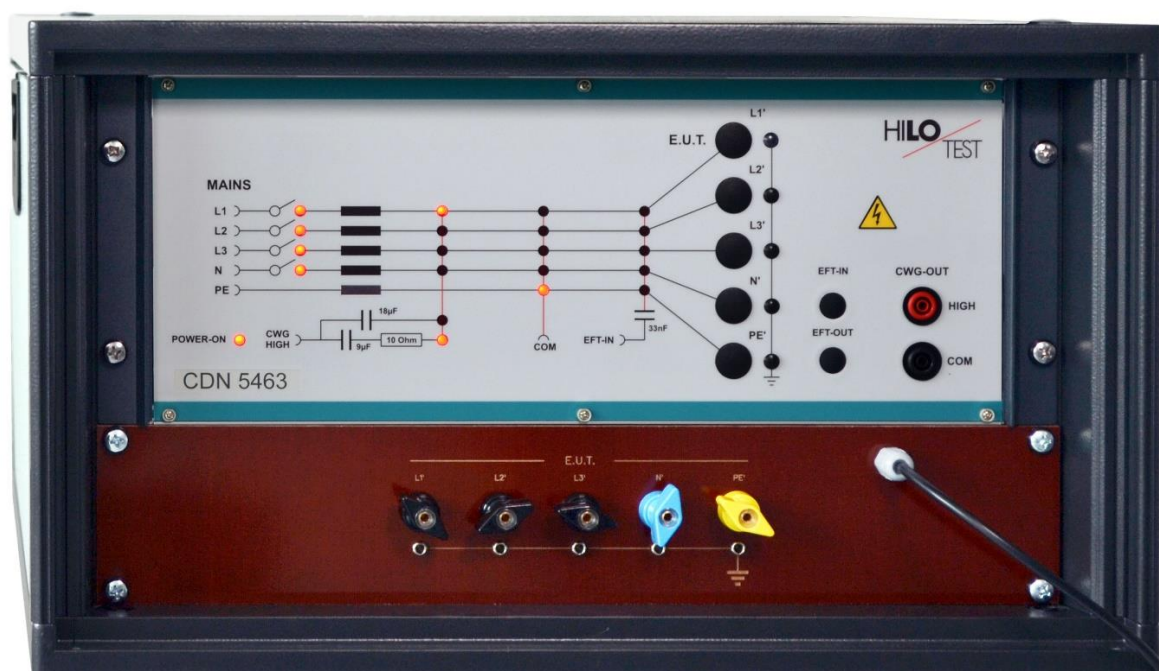


Coupling-/Decoupling Network

CDN 5463 / 7463 / 10463 / 12463

Main	3* 400 V / 63 A
Surge	1.2/50 μs: 5.0 / 7.0 / 10 / 12kV
	8/20 μs: 2.5 / 3.0 / 5.0 / 6.0kA
Burst	5.0 kV, 5/50 ns



According to

IEC 61000-4-4

IEC 61000-4-5

IEEE 587

The capacitive Coupling-/Decoupling Networks CDN 5463/ 7463/ 10463/ 12463 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 5463/ 7463/ 10463/ 12463 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.

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 5463	CDN 7463	CDN 10463	CDN 12463
Nominal voltage		3 * 400 V, 50/60 Hz			
Nominal current AC/DC		63 A _≈ / 40 A ₌			
Series inductors to the mains power supply		<1.5 mH + >100 μH			
max. test voltage	Surge, 1.2/50 μs:	5.0 kV	7.0 kV	10 kV	12 kV
max. test voltage	Burst, 5/50 ns:	5.0 kV			
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 ³		450*310*500 mm ³	
Weight		80 kg		90 kg	
Option:					
Nominal voltage		3 * 690 V, 50/60 Hz			
Current range		Switchable coils for corresponding waveform specifications according standard. Controlled by Generator. Indicator at CDN front. Ranges: <32A: 0A to 32A 63A: >32A to 63A			