Coupling-/Decoupling Network
CDN 54200 / 74200 / 104200 / 124200

Main	**3* 400 V / 200 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 54200/ 74200/ 104200/ 124200 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 54200/ 74200/ 104200/ 124200 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.
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.

Technical specification:	CDN 54200	CDN 74200	CDN 104200	CDN 124200
Nominal voltage	3 * 400 V, 50/60 Hz			
Nominal current AC/DC	200 A≈ / 200 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			
Impulse synchronisation	Mains, Extern			
Burst Input	Fischer			
Surge Input	4 mm Bush			
Mains power	90V - 264V , 50/60 Hz			
Dimensions: rack case W * H * D	550 * 1100 * 800 mm^3			
Weight	240 kg		280 kg	
Option:				
Nominal voltage	3 * 690 V 50/60 Hz / 1000 V DC			