

Coupling-/Decoupling Network CDN 10216 / 12216

Main	240 V / 16 A
Surge	1.2/50 μ s: 10 / 12kV
	8/20 μ s: 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 Network CDN 10216/ 12216 is used in combination with the Surge generators PG 7-250, PG 10-504 or PG 12-804 and allows superimposition of surge test pulses to the single-phase power supply 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 contains the coupling impedances 18 μ F and 9 μ F + 10 Ω for the surge generator and the decoupling impedances for the power supply lines.

Additional coupling mode: „coupling to both lines“ with 10 Ω and two capacitors 9 μ F is provided.

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.

The coupling impedance and the coupling path selected are indicated on the front panel of the coupling-/decoupling network.

Technical specification:	CDN 10216	CDN 10216
Nominal voltage	240 V, 50/60 Hz	
Nominal current AC/DC	16 A _~ / 10 A ₌	
Series inductors to the mains power supply	<1.5 mH + >100 μH	
max. test voltage Surge, 1.2/50 μs:	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 both lines to ground via 2*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	
Weight	25 kg	
Option:		
Nominal voltage	480 V, 50/60 Hz	