

Electric Fast Transient Generator Coupling/Decoupling Network

CDN-4320H 【Introduction】

The CDN-4320H coupling/decoupling network, when paired with the pulse generator independently developed by Lioncel, achieves an upgrade in network capacity. Its excellent coupling and decoupling performance meets the requirements of the standard IEC 61000-4-4 Ed.3. The upgraded pulse generator can test samples with a current capacity of up to 200 A; it is primarily designed to meet the testing requirements for products such as new energy sources and electric vehicle charging piles.

Compliance Standards

IEC 61000-4-4 IEC 61000-4-4 Ed.3/Ed.2 EN 61000-4-4 GB/T 17626.4

Application Fields

Industrial equipment, power meters, automotive electronics, medical devices, lighting fixtures, communication transmission equipment, audio-visual equipment, low-voltage electrical appliances, electronic components, electric tools, information technology equipment, railway and aerospace electrical appliances, instrumentation, energy storage, and new energy vehicles.

Parameter List

Specification Model	CDN-4320H-100AC	CDN-4320H-200AC
Interference Type	Electrical Fast Transient/Burst Immunity	
Coupling Capacitance	33 nF	
Coupling Attenuation	<2 dB	
Decoupling Attenuation	>20 dB	
Series Coupling Attenuation	>30 dB	
Coupling Capacitance Insulation Capability	>7 kV	

Capacity of the DUT		AC: Three-phase five-wire, DC: 1500 V/100 A 1000 V/100 A(Compatible with single-phase sample testing)	AC: Three-phase five-wire, DC: 1500 V/200 A 1000 V/200 A(Compatible with single-phase sample testing)
Interface		RS485, Programmable	
Output to a 50Ω load	Rise Time	4 ns ∼ 7 ns	
	Pulse Width	30 ns ∼ 60 ns	
	Peak Voltage	Based on the voltage value of the generator / 2 * (1 ± 10%)	
General Parameters			
Operating Power Supply		AC 85 V ∼ 264 V 50/60 Hz 120 W	
Dimensions		19"/6 U	
Weight		20 kg	