Group Pulse Manual Three-phase Coupling / Decoupling Network (100A)

CDN-4310M【Introduction】

The CDN 4310M coupling/decoupling network is compatible with burst generators from other manufacturers, enabling an upgrade in network capacity. Its excellent coupling and decoupling performance meets the requirements of the IEC 61000-4-4 Ed.3 standard. It can upgrade the current capacity of the tested device of the burst generator to 100A; it is primarily designed to meet the testing requirements for new energy and electric vehicle charging pile products.

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

Technical Features

- Manual coupling/decoupling network, compatible for use with burst generators from other manufacturers (joint debugging required);
- EUT power supply can reach AC 800 V/100 A or DC 1500 V/100 A;
- Compact size, lightweight, and convenient for portability;
- Easy to use and facilitate easy upgrades and expansions.

Parameter List

Specification Model	CDN-4310M
Interference Type	Burst Noise Interference
Coupling Capacitance	33 nF

Coupling Attenuation		<2 dB
Decoupling Attenuation		>20 dB
Series Coupling Attenuation		>30 dB
Coupling Capacitance Insulation Capability		>7 kV
Coupling Mode		L1，L2，L3，N，PE Grounding
Capacity of the Test Equipment		AC：Three-phase Five-wire System AC 800 V/100 A DC：1500 V/100 A
Dimensions		19''/3 U
Weight		10 kg
Output to 50 Ω Load	Rise Time	4 ns ～ 7 ns
	Rise Time	30 ns ～ 60 ns
	Pulse Width	Based on the generator's voltage value / 2 * (1 ± 10%).