High-voltage High-power Coupling/Decoupling Networks for Surge Simulator SPN 6932T10

Datasheet

In Compliance with

> EN/IEC 61000-4-5

> GB/T 17626.5

Introduction

SPN 6932T10 can realize fully automatic three-phase coupling and decoupling function. Supply AC/DC power for EUT and can be used with CCS series and CWS series. EUT maximum load capacity is AC 690 V, 32 A, three-phase-5-wire. Other EUT voltage and current level can be customized according to customers' requirement.

Features

> EUT load capacity AC 690 V, 32 A three-phase-5-wire

> EUT power automatic switching

> Test sequence setting for testing voltage, polarity and phase synchronization angle ect; Realizing fully-automatic network switching

> Phase angle superimposition for random lines

Application Areas

> Communication

> Technology

> Telecom

> Military

> Medical

> Avionics

> Broadcast

> New Energy Electric Power

> Railway

Surge Parameters	
Three-phase Automatic Coupling/Decoupling Network	Meet the requirement of EN/IEC 61000-4-5, voltage can reach up to 10.0kV（1.2/50 μs）and current can reach up to 5.0kA (8/20 μs) Note: Actual output pulse voltage of CDN depends on the setting value of pulse generator.
Phase Synchronization	L1、L2、L3、N、PE，random L-L and L-PE phase angle superimposition
Coupling Route	L1、L2、L3、N、PE　random combination route
Coupling Switching Method	Automatic switching, test sequence function
Coupling Capacitance	9 μF、18 μF
Coupling Resistance	10 ohm、0 ohm　IEC standard mode or customized mode are available for selection.
Coupling Attenuation	<2 dB
Residual Pulse Voltage of EUT Injection	Not more than 15% of testing pulse voltage or two times of rated voltage peak value of CDN.

General Parameters	
EUT Load Capacity	Max AC 690 V 32 A 50 Hz /60 Hz, three-phase-5-wire Max DC 110 V 16 A
EUT Power Switching Method	Automatic switching
Working Power Supply	AC 110 V/220 V±10%，50 Hz /60 Hz±5% （AC 220 V 50 Hz in China）
Fuse	6 A
Maximum Power Consumption	300 W
Auxiliary Interface	D-sub 25p
Working Status Indication	LED indication on front panel
Grounding Connection Mode	Use flat grounding line
Dimension of Rack	19"/22 U
Weight	Approx. 100 kg
Ambient Temperature	15 ℃ - 35 ℃
Relative Humidity	45% - 75%
Air Pressure	86 kPa – 106 kPa
EUT Load Capacity	Max AC 690 V 32 A 50 Hz /60 Hz, three-phase-5-wire Max DC 110V 16 A

Standard Accessories
Testing line, Grounding line, Power supply line, Fuse, User Manual

Options	
CWS 600x	Combination Wave Surge Simulator, meet the requirement of IEC 61000-4-5 with maximum pulse output 6.0 kV（1.2/50 μs）, 3.0 kA(8/20 μs)
CWS 800x	Combination Wave Surge Simulator, meet the requirement of IEC 61000-4-5 with Maximum pulse output 8.0 kV（1.2/50 μs）, 4.0 kA(8/20 μs)
CWS 1000x	Combination Wave Surge Simulator, meet the requirement of IEC 61000-4-5 with Maximum pulse output is 10.0 kV（1.2/50 μs）, 5.0 kA(8/20 μs)
CCS 600x	Compact Immunity Test System, meet the requirement of IEC 61000-4-5 with maximum pulse output 6.0kV（1.2/50 μs）, 3.0kA(8/20 μs); meet the requirement of IEC 61000-4-4 with maximum pulse output 4.8 kV
VCF-80	High voltage differentiate probe with max. test voltage 8 kV and attenuation ratio 1000:1; meet the calibration requirement of open circuit voltage waveform of surge generators.
TR5025	High voltage current sensor with maximum testing current 20 kA and attenuation ratio 100:1; meet the calibration requirement of short circuit waveform of surge generators.
EFT 500x	Electrical fast transient/burst immunity generator, meet the requirement of IEC 61000-4-4 with maximum impulse output 4.8 kV.
Burst Calibration Assemblies	Contain TFB 500/ TFB 1000，network port adapter and suitcase. Meet the calibration requirement of burst. TFB 500：input impedance: 50 Ω, output impedance: 50 Ω, attenuation: 55 dB； TFB 1000：input impedance: 1000 Ω, output impedance: 50 Ω, attenuation: 60 dB；

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