

Lightning Surge Coupling/Decoupling Network

SPN 38100T20A&20B

Datasheet



In Compliance With

- > EN/IEC 61000-4-5
- > GB/T 17626.5
- > EN/IEC 61643-11
- > GB/T 18802.11

Introduction

SPN 38100T20A&20B High voltage and high power lightning surge coupling/decoupling network, meet the full range test requirements, can be combined with S10C2000, CWS 2000MS for different waveform testing. The maximum surge combined wave test voltage is 20kV, 10kA, and the maximum 8/20 μ s current wave is 20kA. Meet AC/DC power supply, EUT maximum load capacity AC 380V 100A three-phase five-wire, DC 380V 100A

Characteristics

- > EUT maximum voltage AC 380V DC 380V 100A ;
- > Scheduling Settings, to achieve automatic network switching function;
- > Scheduling Settings, to achieve automatic network switching function;
- > 8/20 μ s current wave up to 20KA;
- > Arbitrary line phase Angle superposition.

Application Areas

- | | |
|-----------------|-----------------------|
| > Communication | > IT |
| > Telecom | > Military |
| > Medical | > Aviation |
| > Radio & TV | > New energy power |
| > Railway | > new energy vehicles |

Comply with IEC 61000-4-5 lightning surge immunity test technical parameters		Comply with IEC 61643-11 pulse current immunity test technical parameters	
Three-phase Fully automatic coupling/decoupling network	Conform to the EN/IEC 61000-4-5, GB/T 17626.5 lightning surge wave test Voltage up to 20kV (1.2/50μs) Current up to 10kA (8/20μs) Note: The actual output pulse voltage value of the coupling/decoupling network depends on the set value of the pulse generator	Manual coupling/decoupling network	Conform to the EN/IEC 61643-11、GB /T 18802.11 Coupled pulse current wave test Current up to 20kA (8/20μs) Note: The actual output pulse voltage value of the coupling/decoupling network depends on the set value of the pulse generator
Phase Locking	Any line - line, line - ground phase Angle superimposed	Output Current	Up to 20kA(8/20us)
Coupling Path	L1、 L2、 L3、 N、 Arbitrary combination L1 (DC+) 、 N (DC-) DC paths	Phase Locking	Any line - line, line - ground phase Angle superimposed
Coupled Switching Mode	Automatic Switching	Coupling Path	L1、 L2、 L3、 N、 Arbitrary combination L1 (DC+) 、 N (DC-) DC paths
Coupling Capacitor	9uF (line-to-ground) 18uF (line-to-line)	Coupled Switching Mode	Automatic Switching
Coupling Resistance	10 ohm (wire-to-ground) 0 ohm (wire-to-line)	Coupled Apparatus	Gas Discharge Tube
EUT Load Capacity	Max AC 380V、 100A; Max DC 380V、 100A;	EUT Load Capacity	Max AC 380V、 100A; Max DC 380V、 100A;
EUT Injection Residual Pulse Voltage	Not more than 15% of the applied test pulse voltage or twice the peak rated voltage of the coupling/decoupling network	EUT Injection Residual Pulse Voltage	Not more than 15% of the applied test pulse voltage or twice the peak rated voltage of the coupling/decoupling network
Standard Accessories		General Parameters	
Power supply line, Testing line, Grounding line, 25-core data line, factory inspection report, User Manual.		Working Power Supply	AC 110V/220V±10%, 50/60Hz±5%
		Fuse	6A
		Maximum Power Consumption	200W
		Auxiliary Interface	D-sub 25p
		Grounding Connection Mode	Use flat grounding line
		Dimension	35U
		Weight	Approx 200Kg
		Ambient Temperature	15-35°C
		Relative Humidity	45% - 75%
		Atmospheric Pressure	86kPa – 106kPa



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