

Coupling/Decoupling Network for Ring Wave Generator

RWPN 6916TUL

Datasheet



In Compliance with

- > IEC/EN 61000-4-12
- > UL 60730-1
- > GB/T 17626.12

Introduction

RWPN 6916TUL is the automatic three-phase coupling/decoupling network (CDN) to be used with ring wave generators RWS 600 series. The EUT load capacity is AC 690 V, 16 A (3-ph 5-wire) or can be customized.

Features

- > EUT load capacity: AC 690 V, 16 A (3-ph 5-wire)
- > Automatic path switching
- > Test sequencing incl. setting of test voltage, polarity, phase sync angles
- > Superposition of lines of any phase angles

Application Areas

- > Telecom
- > Medical
- > Military
- > Railway & Rail Transit
- > IT
- > Broadcasting
- > Avionics
- > New energy power

Technical Parameters	
Test Voltage	Max 6 kV (the actual output depends on the set value of the generator)
Phase Sync.	Any L-L, L-PE at any phase angles between L1, L2, L3, N, PE
Coupling Paths	Any two lines between L1, L2, L3, N, PE
Coupling Path Switching Method	Automatic
Coupling Capacitor	3 μ F
Coupling Resistor	5 Ω , 12 Ω , 27.5 Ω , 30 Ω (use standard types or user-defined, depending on the internal impedance of the generator)
Coupling Attenuation	<2 dB
Residual Pulse Voltage At The EUT Injection Terminal	<15% of test voltage or rated peak voltage of the CDN

General Parameters	
Operating Power Supply	AC 110 V / 220 V \pm 10%, 50/60 Hz \pm 5% (Default setting as AC 220 V, 50 Hz for Mainland China)
Fuse	6 A
Max Power	200 W
Auxiliary Port	D-sub 25p
Operating Status Indicators	Front panel LED
Grounding Method	Grounding strap
Dimension	19", 6 U
Weight	Approx 30 kg
Operating Temp.	15 $^{\circ}$ C - 35 $^{\circ}$ C
Operating Humidity	45% - 75%
Operating Air Pressure	86 kPa – 106 kPa

Standard Accessories	
Three-Core Power Cable	1 pc
Testing Wire	1 set
Grounding Strap	1 pc
Fuse	1 pc
Co-Axial Wire	1 pc
Factory Test Report	1 pc
User Manual	1 pc

Optional Generators & Accessories	
CWS 600x	Combination Wave Simulator in compliance with IEC 61000-4-5, Surge max voltage 6 kV (1.2/50 μ s), 3 kA (8/20 μ s);
CWS 800x	Combination Wave Simulator in compliance with IEC 61000-4-5, Surge max voltage 8 kV (1.2/50 μ s), 4 kA (8/20 μ s);
CCS 600x	Combination Immunity Test Simulator in compliance with IEC 61000-4-4/-5/-8/-9/-11/-29, output max voltage 6 kV (1.2/50 μ s), 3 kA (8/20 μ s);
EFT 500x	EFT Simulator in compliance with IEC 61000-4-4, max voltage 4.8 kV
VCF-80	HV differential probe, for calibration of Surge generator (open-circuit voltage waveform); test voltage max 8 kV, attenuation: 1000:1;
TR 5025	HV current transducer, for calibration of Surge generator (short-circuit current waveform); Test current max 20 kA, attenuation 100:1;
Calibration Kit for EFT Generators	TFB 50: input impedance 50 Ω , output impedance 50 Ω , attenuation 55 dB; TFB 1000: input impedance 1000 Ω , output impedance 50 Ω , attenuation 60 dB; Supplied with network adaptors and tool box.



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