

Coupling/decoupling network

SPN/SEPN/EFTN series



As per

- > IEC 61000-4-4
- > IEC 61000-4-5
- > GB/T 17626.4
- > GB/T 17626.5

Description

SEPN, SPN and EFTN series is a new generation of automatic three-phase five-wire coupling/decoupling network combined with lightning surge and burst pulse. It can be used for DUT AC/DC mains. It can be equipped with CCS600, CWS 600 and EFT 500 simulators, and also be customized as per customer needs.

Features

- > Electromagnetic relay protection if current is more than rated value
- > Scheduling setting and save test time

Industries

- > Communication
- > Telecom
- > Medical
- > Broadcast
- > Railway
- > Technology
- > Military
- > Avionics
- > New energy

General data	
Working mains	AC110V/220V, $\pm 10\%$, 50/60Hz (default AC220V)
External control	25Pin D-Bus
Working indicator	LED front panel
Detection output	1 meter standard coaxial cable
Dimension	19 inch/6U
Weight	approx. 50Kg
Temperature	15–35°C
Humidity	45%–75%
Air pressure	86kPa–106kPa
Surge immunity test as per IEC 61000-4-5	
Standard	IEC/EN 61000-4-5、GB/T 17626.5
Test voltage	0.3kV–6kV, $\pm 10\%$
Test current	0.15kA–3kA, $\pm 10\%$
Current waveform	Front time: $8\mu s \pm 20\%$, time to half value: $20\mu s \pm 20\%$
Source output impedance	2 ohm
Output polarity	+/-/alternative
Coupling capacitance	9uF, 18uF
Coupling resistance	10 ohm, 0 ohm, IEC standard mode or customized mode
Synchronization	0°- 360°; 1°step or random
Coupling network	Three-phase automatic CDN

EFT/Burst test as per IEC 61000-4-4	
Standard	IEC/EN 61000-4-4, GB/T 17626.4
Test voltage	0.25 kV -4.8kV, $\pm 10\%$
Polarity	+/-
Pulse frequency	0.1kHz–1000kHz
Synchronization	0°- 360°; 1°step or random
Coupling network	Three-phase automatic CDN
Basic equipment	
1. SEPN, SPN,	7. Four-core plug
EFTN test system	
2. Three-core power cord	8. Four-core socket
3. Test cable	9. Factory test report
4. Ground wire	10. User manual
5. Fuse	
6. Coaxial cable	

Optional accessories	
1. SEPN series	CDN for surge and burst
SEPN 2216S	Single phase three-wire AC 220V 16A Max 250V
SEPN 2232S	Single phase three-wire AC 220V 32A Max 250V
SEPN 3816T	Three-phase five-wire AC 380V 16A Max 440V
SEPN 3832T	Three-phase five-wire AC 380V 32A Max 440V
SEPN 6932T	Three-phase five-wire AC 690V 32A Max 750V
2. SPN series	CDN for lightening surge
SPN 3816T	Three-phase five-wire AC 380V 16A Max 440V
SPN 2232S	Single phase three-wire AC 220V 32A Max 250V
3. EFTN series	CDN for burst
EFTN 3832T	Three-phase five-wire AC 380V 32A Max 440V
4. CCC 100	Capacitance coupling clamp
5. EMS Lab	Test software



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