

HV High-Power EFT/Burst Coupling/Decoupling Network

EFTN 70300T



- IEC/EN 61000-4-4
- IEC 61000-6-1
- IEC 61000-6-2
- GB/T 17626.4

Features

- > EUT DC load capacity 1,500 V DC, 300 A
- > EUT AC load capacity 700 V AC, 300 A, three-phase, five-wire
- > Max. output pulse voltage 7 kV
- > Scheduled setting of test parameters, including test voltage, polarity, and phase synchronization angle, enabling fully automatic network switching
- > Phase angle superposition of any combination of lines

Introduction

The EFTN 70300T HV High-Power EFT/Burst Coupling/Decoupling Network complies with IEC/EN 61000-4-4 and supports CE and CCC certification requirements.

Designed for new energy test systems and high-power load testing, it provides reliable performance, stable operation, and ease of use. It supports EUT load capacities up to 1,500 V DC / 300 A and 700 V AC / 300 A, three-phase, five-wire. Customized EUT voltage and current ratings are available upon request.

Application Areas



Technical Parameters

Automatic Three-Phase CDN	EFT/Burst testing, Max. test voltage 7 kV
EUT Load Capacity	Max. AC 700 V, 300 A, 50/60 Hz, three-phase, five-wire Max. DC 1,500 V, 300 A
EUT Power Switching	Automatic Switching
Phase Synchronization	Phase Angle Superposition Between Any Lines of L1, L2, L3, N, and PE
Coupling Path	Any Path of L1, L2, L3, N, and PE
Coupling Capacitor	33 nF
Residual Pulse Voltage at EUT Injection Port	< 10% of the applied test pulse voltage

General Parameters

Dimension	800*1,200*1,050 mm
Weight	Approx. 100 kg
Ambient Temperature	15 °C ~ 35 °C
Relative Humidity	10% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

Test Cable, Fuse, Grounding Wire, Coaxial Cable, User Manual, CN25 Cable, Three-core Power Cord

Optional Accessories

1	EFT/Burst Calibration Kit	Model: EFT-CA-KIT(SHV) TFB 500(SHV): Impedance 50 Ω, 500:1 TFB 1000(SHV): Impedance 1,000 Ω, 1,000:1 HV-RF connector: SHV-BNC-JJ BNC to banana plug: BNC(K)-2BP(J)	
2	Capacitive Coupling Clamp	Model: CCC 100 For data and signal testing	
3	PC Software	Model: CoreLab > Compatible with Windows 7/8/10/11 > User-friendly operation with an intuitive UI > Supports customized test procedures with built-in standard test libraries > Automatically configuration and template-based report printing	

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