

HV High-Power EFT/Burst Coupling/Decoupling Network

EFTN 70400T



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

Features

- > Max. EUT supply voltage 700 V AC, 1,500 V DC
- > Supply current capability up to 400 A
- > Max. pulse voltage 6 kV
- > Fully automatic coupling/decoupling

Introduction

The EFTN 70400T HV High-Power EFT/Burst Coupling/Decoupling Network is a automatic CDN compliant with IEC 61000-4-4 requirements. It offers high reliability, stable performance, and easy operation, with a maximum load capacity of 700 V AC / 400 A and 1,500 V DC / 400 A. Customized EUT voltage and current ratings are available upon request.

Application Areas



Technical Parameters

EUT Supply Voltage	700 V AC, 50/60 Hz, three-Phase, five-Wire 1,500 V DC
EUT Current	Max. 400 A cont. (AC/DC)
EFT/Burst Peak Voltage	Max. 6 kV
Coupling Path	Any coupling combination of L1 (DC+), L2, L3, N (DC-) and PE
Coupling Switching Mode	Manual Switching
Coupling Capacitor	33 nF
Phase Synchronization	Phase Angle Superposition Between Any Lines of L1, L2, L3, N, and PE
Residual Pulse Voltage at EUT Injection Port	≤ 10% of the applied test pulse voltage
Grounding Method	Grounding wire
EFT Injection Port	Coaxial cable
EFT Injection Method	Single-line or multi-line simultaneous injection

General Parameters

Dimension	800*1,200*1,450 mm
Weight	Approx. 150 kg
Ambient Temperature	15 °C ~ 35 °C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

Test Cable, EUT Power Injection Cable, Grounding Wire, Coaxial Cable, User Manual

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	
2	Coaxial Adaptor	Model: BNC-FFM Calibration adaptor	
3	HV RF Connector	Model: SHV-BNC-JJ	

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