

FP-COMB 32

PRECIS

COMBINED AUTOMATIC 3-PHASE COUPLING / DECOUPLING NETWORK

■ The **FP-COMB 32** coupling/decoupling network – for Surge Combination Wave, Ring Wave and EFT/Burst – is fully compliant with the standard requirements of IEC/EN 61000-4-4, IEC/EN 61000-4-5 and IEC/EN 61000-4-12.

The FP-COMB 32 is controlled by the AXOS⁵ / AXOS⁸ expandable immunity test system(s). The CDN automatically changes the coupling paths, phase angles and source impedance based on test parameters set by the user via the AXOS controller – depending on the standard and coupling mode.

The FP-COMB 32 was designed to reduce residual voltage levels at the EUT mains input by integrating the proper decoupling inductors for each type of CDN application in order to meet the requirements (with regard to voltage drop at the rated current). Apart from covering the EN/IEC 61000-4-5 standard, the FP-COMB 32 also covers tests to meet surge requirements outlined in ANSI/IEEE C62.41.

FRONT VIEW



REAR VIEW



FEATURES

- ☑ Surge Combination Wave, 1.2/50us 8/20us
- ☑ Ring Wave, 100kHz
- ☑ Electrical Fast Transient (EFT) / Burst
- ☑ 7kV impulse voltage for Surge Combination Wave and Ring Wave
- ☑ Line voltage 480V AC / DC phase-to-phase
- ☑ 32A EUT current per phase
- ☑ Phase angle synchronization for each path

BENEFITS

- Combined CDN for Surge Combination Wave, Ring Wave and EFT/Burst
- LEDs indicate active mode and coupling path
- Automatic selection of Surge impedance
- Fully remote controlled by AXOS⁵ / AXOS⁸

APPLICATIONS

- Single & three phase power line systems
- IEC 61000-4-4 Edition 3
- IEC 61000-4-5 Edition 3
- IEC 61000-4-12
- ANSI C62.41 & C62.45 power lines
- Many IEC & EN product standards

SCOPE OF SUPPLY (ARTICLE NO. 2490430)

Qty. 1	FP-COMB 32
Qty. 1	AC mains cable country specific
Qty. 1	EUT mains cable 32A
Qty. 1	EUT mains adapter 32A
Qty. 1	Calibration certificate
Qty. 1	Surge cable to AXOS
Qty. 1	EFT/Burst cable to AXOS
Qty. 1	User's manual









Banana socket front panel	5 connectors
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EFT/Burst	IEC/EN 61000-4-4 Ed. 3
Surge Combination Wave	IEC/EN 61000-4-5 Ed. 3
Ring Wave	IEC/EN 61000-4-12 Ed. 2, C 62.41
5kV	
7kV	
7kV	
Automatic	IEC + ANSI
10V to 480V input voltage 0° to 359°, step 1°	Sync. on coupling path, output BNC rear panel
16.7Hz, 50Hz, 60Hz	
16.7Hz, 50Hz, 60Hz	
Up to 480V DC	
32A	
0.2kV - 5kV	
0.2kV - 7kV	
0.2kV - 7kV	
Automatic	
	-
10V to 480V input voltage 0° to 359°, step 1°	
10V to 480V input voltage 0° to 359°, step 1°	
0° to 359°, step 1°	
10V to 480V input voltage 0° to 359°, step 1° Warning on AXOS Display	
	Banana socket front panel EFT/Burst Surge Combination Wave Ring Wave 5kV 7kV Automatic 10V to 480V input voltage 0° to 359°, step 1° Up to 480V AC 16.7Hz, 50Hz, 60Hz Up to 480V DC 32A 0.2kV - 5kV 0.2kV - 7kV

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