

Coupling network 3 phase

CWG 520



- ◆ 16A, 3-phase
- ◆ for burst and surge testing
- ◆ Option 320/550 VAC

Introduction

The coupling network (CDN) can be used to carry out EMC tests at 3 phase leads according to the standards IEC 61000-4-4 (Fast Transients) and IEC 61000-4-5 (Surge). The interference pulses of the burst generator or the surge generator are coupled to the power supply of the tested unit. The coupling paths can be changed by using the coupling switches. The coupling network can be remote from a personal computer via RS232-interface in connection with the burst generator SFT 1400 / 1420 or the surge generator CWG 1500.

Technical data

Nominal voltage AC	max. 230 V / 400 V / 50 - 60 Hz
Nominal voltage DC	max. 270 V (L -> L and L -> N, PE)
Nominal/max. current	4 x 16 A at 40° C ambient temperature
Serial inductance	5 x 150 µH / 16 A
Current compensated choke	4 x 1,5 mH / 16 A
Phase indicating lamps	green for L1, L2 and L3, red for N
Coupling capacity	Burst coupling: 33 nF Surge coupling: phase - ground 9 µF / 12 Ω phase - phase 18 µF / 2 Ω
Various coupling modes	Burst: L1-E, L2-E, L3-E, N-E, PE-E etc. Surge: L1 - L2; L2 - L3 etc.
Input logic-signal	BNC - jack
High voltage burst input	Burst: Fischer high voltage jack D103A023
High voltage surge input	Surge: Fischer high voltage jack D105A039
EUT feeding	laboratory-banana-jacks
EUT connection	laboratory-banana-jacks
Power supply electronic control system	IEC-plug 230 V / 50 Hz / 1 A on rear side
Additional earth connection jacks	on front and rear side
Temperature environment	0 - 40 °C
Cabinet	19" housing, 3 HE
Weight	approx. 20 kg

Option:

CWG 520-550 (4 x 16A / max. 320/550 VAC + 0%)