

CWG 520

CWG 520 / 550

3-Phase Coupling network

- For burst and surge testing
- 16A, 3-Phase



The coupling network CWG 520 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 lines of the tested unit. The coupling paths can be changed by using the coupling switches. The coupling network can be remote controlled from a PC via RS232-interface in connection with the burst generators SFT 1400 / 1420 / 2400 / 2420 or the surge generators CWG 1500 / 2500.

Technical data

Nominal voltage AC	CWG 520:	230 V / 400 V / 50 - 60 Hz
	CWG 520 / 550:	320 V / 550 V + 0% / 50 - 60 Hz
Nominal voltage DC	CWG 520:	270 V + 0% (L -> N, PE)
	CWG 520 / 550:	380 V + 0% (L -> N, PE)
Nominal/max. current	4 x 16 A at 40° C room temperature	
Serial inductance	5 x 120 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 impedances	Burst coupling:	33 nF
	Surge coupling:	L – PE, N – PE: 9 µF + 10 Ω
		L – L, L – N: 18 µF
Coupling modes	Burst:	L1, L2, L3, N, PE individually and in any combination against earth.
	Surge:	L – L, L – N, L – PE, N – PE
Logic signal input	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	100-240 V / 47-63 Hz / 80V A (power entry module with line filter 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	

- CWG 531 HV cable 0.7m long for connection to CWG 1500 is included.
- CWG 520_F versions also available for connection to surge generators from other manufacturers.