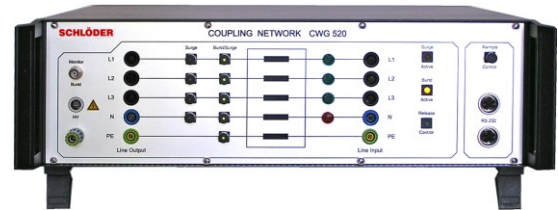


# CWG 520, CWG 520 - 550

## 3-Phase coupling network

### IEC / EN 61000-4-4, IEC / EN 61000-4-5

- 3-Phase, 16 A
- For tests according to IEC/EN 61000-4-4 (Burst) and according to IEC/EN 61000-4-5 (Surge)
- HV cable included



**In combination with Burst / Surge generators with PC remote control.**

### Overview

The coupling network (CDN) can be used for EMC tests according to the IEC/EN 61000-4-4 (Burst) and IEC/EN 61000-4-5 (Surge) standards. The interference pulses of the burst generator or the surge generator are coupled to the power supply lines of the test object.

The coupling paths can be selected with a switch. The CDN can be remotely controlled from a PC via an RS232 interface in computer operation with the burst generator SFT 2400 / 1400 / 1420 or the surge generator CWG 2500 / 1500.

### Key Facts

- Inputs:
- High voltage input Burst: Fischer high voltage socket D103A023
- Surge: Fischer high voltage socket D105A039
- CWG 531 HV cable with 0.7 m length for connection to CWG 2500 / 1500 included
- Also suitable for connecting other manufacturers with accessories CWG 520\_F



## CWG 520, CWG 520 - 550

### 3-Phase coupling network

Technical data		
Article	CWG 520	CWG 520 - 550
Nominal voltage AC		
Phase - Earth	230 V / 50 - 60 Hz	320 V +0% / 50 - 60 Hz
Phase - Phase	400 V / 50 - 60 Hz	550 V +0% / 50 - 60 Hz
Burst impulse	max. 5 kV	max. 5 kV
Surge impulse	max. 4.4 kV	max. 4.4 kV
Nominal voltage DC	270 V + 0% (L -> N, PE)	380 V + 0% (L -> N, PE)
Nominal max. current	4 x 16 A at 30° C room temperature	4 x 16 A at 30° C room temperature
Series inductance (BURST)	5 x 120 µH / 16 A	5 x 120 µH / 16 A
Single choke (SURGE)	4 x 1.5 mH / 16 A	4 x 1.5 mH / 16 A
Lamps for phase indication	L1, L2 , L3: green, N: red	L1, L2 , L3: green, N: red
Coupling impedances Burst Coupling	33 nF	33 nF
Coupling impedances Surge coupling	L – PE, N – PE: 9 µF + 12 Ω L – L, L – N: 18 µF + 2 Ω	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.	
Coupling Modes: Surge	L – L, L – N, L – PE, N – PE	L – L, L – N, L – PE, N – PE
Logic signal input	BNC - jack	BNC - jack
High voltage input Burst	Fischer high voltage jack D103A023	Fischer high voltage jack D103A023
High voltage input Surge	Fischer high voltage jack D105A039	Fischer high voltage jack D105A039
Connection for test sample supply	laboratory-banana-jacks	laboratory-banana-jacks
Connection for test specimen	laboratory-banana-jacks	laboratory-banana-jacks
Electronics power supply	100-240 V / 47-63 Hz / 80 VA (power entry module with line filter on rear side)	
Additional ground sockets	on front and rear side	on front and rear side
Operating temperature	0 - 30 °C	0 - 30 °C
Housing	19" housing, 3 HE	19" housing, 3 HE
Weight	approx. 20 kg	approx. 20 kg

#### Options

CWG 520\_F      Version for connection to surge generators from other manufacturers

All information regarding appearance and technical data correspond to the current state of development at the time of release of this data sheet. We reserve the right to make technical changes. 152209

