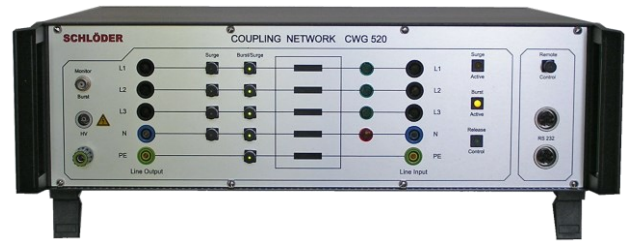


CWG 520, CWG 520 - 550

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 | |
| 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

