Coupling network Surge

Four unshielded unsymmetrical interconnection lines

CWG 1528

- **4 lines 6A, 250 VAC**
- **For surge test line-to-line and line-to-ground coupling**
- **RS 232**

Introduction

The coupling network can be used to carry out EMC tests to the standards IEC 61000-4-5 (surge).
The interference pulses of the surge generator are coupled to the interconnection lines of the tested unit. The coupling paths (line to line or line to earth) can be selected by using the coupling switches.
The coupling network can be operated via an RS 232 interface with a personal computer – together with the surge generator CWG 1500 / CWG 500. So the selection of the coupling paths can be automated.

Technical data

Nominal voltage AC	max. 240 V / 50 Hz
Nominal voltage DC	max. 120 V
Nominal /max. current	4 x 6 A at 40° C ambient temperature
Decoupling inductance	4 x 20 mH / 6 A (Serial choke)
Coupling capacity	0,5 µF and 40 ohm
Max. surge pulse 1,2/50 µs	4400 V
High voltage surge input	Fischer high voltage jack D105A039
EUT feeding	laboratory-banana-jacks
EUT connection	laboratory-banana-jacks
Remote	serial, RS 232
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
Rel. humidity	0 – 60%
Cabinet	19" housing, 3 HE
Weight	app. 14 kg

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