CWG 1525

Coupling network surge

IEC / EN 61000-4-5

- 2 lines, 1 A
- Coupling via gas discharge arrester
- Coupling between lines (D1 + D2) and earth

For 2 unscreened, balanced connection lines (e.g. field bus)

Overview

By means of the coupling network of type CWG 1525, EMC tests (immunity tests) can be carried out on electrical consumers. These tests are based on IEC 61000-4-5 (surge test for unscreened, balanced connection lines).

The interference signals of the CWG 1500 / CWG 2500 surge generator are superimposed on the connecting lines of the instrument under test. The coupling switch can be used to switch the interference paths on and off.

Key facts

- Coupling resistance 2 x 80 Ohm
- Maximum pulse voltage 1.2/50 µs is 4,400 Volt
- Use in connection with Surge generator CWG 1500 / 2500

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Technical data

CWG 1525	
Nominal voltage AC	max. 50 V AC/DC
Rated current I_N	2 x 1 A at T_U = 40 °C
Decoupling	2 x 20 mH, current compensated
Coupling Resistor	2 x 80 Ohm
Coupling elements	gas discharge arrester
Access method	D1 + D2 against earth
Maximum pulse voltage 1.2/50 µs	4.400 Volt
High voltage (HV) input	Fischer HV socket D105A039
Input coupling network	lab jacks
Output coupling network	lab jacks

Supply voltage input	IEC connector, 230 V / 0,5 A, connector
Earth connection	additionally via socket on the front and rear side
Operating temperature	0 to 40 °C
Weight	appr. 5 kg
Dimensions	150 x 225 x 360 mm (3 RU)

Accessories (included in delivery)

CWG 532	HV cable with 0.85 m length for connection to CWG 1500 / CWG 2500

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. 052110