

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 unshielded, 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 unshielded, 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 μ s 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	Supply voltage input	IEC connector, 230 V / 0,5 A, connector
Rated current I_N	2 x 1 A at $T_U = 40^\circ\text{C}$	Earth connection	additionally via socket on the front and rear side
Decoupling	2 x 20 mH, current compensated	Operating temperature	0 to 40 °C
Coupling Resistor	2 x 80 Ohm	Weight	appr. 5 kg
Coupling elements	gas discharge arrester	Dimensions	150 x 225 x 360 mm (3 RU)
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		

Accessories (included in delivery)

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

