

CWG 550 / 553 / 553-MC / 554

Coupling Networks Surge

IEC / EN 61000-4-5

- For component testing or tests on cable shields
- In four versions:

CWG 550:	18 μ F
CWG 553:	0.5 μ F + 40 Ohm
CWG 553-MC:	0.5 μ F + 40 Ohm
CWG 554:	9 μ F + 10 Ohm



Fig.: CWG 553-MC (front)



CWG 553-MC (back)



Fig.: CWG 550



Fig.: CWG 553



Fig.: CWG 553-MC



Fig: CWG 554

AC voltage from 250 - 550 VAC 

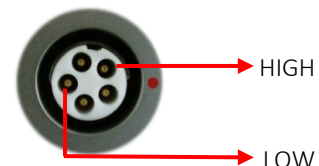
Overview

For component testing or testing for cable shielding, CWG 550, CWG 553, CWG 553-MC and CWG 554 are reliable external surge coupling networks for tests according to IEC / EN 61000-4-5.

They are suitable for surge voltages up to max. 4400 V and AC voltages up to 250 VAC.

Key facts

- NEW: CWG 553-MC with MC lab jacks on both sides
- Surge voltage max. 4400 V
- To the external network (CWG 52x) or for coupling networks (CWG 550; CWG 553, CWG 554).



CWG 550 / 553 / 553-MC / 554

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Technical data			
Article	CWG 550	CWG 553 / CWG 553-MC	CWG 554
Impedance	18 μ F	0.5 μ F + 40 Ohm	9 μ F + 10 Ohm
AC voltage	max. 250 VAC	max. 250 VAC	max. 250 VAC
Surge Voltage	max. 4400 V	max. 4400 V	max. 4400 V
<i>Current pulse at the output when fed with surge pulse at 4000 V:</i>			
Peak current		87 A $\pm$ 20%	
Current front time		1,3 μ s $\pm$ 30%	
Current duration		13 μ s $\pm$ 30%	
Entrance	Surge HV connector (Fischer S105 A039)	CWG 553: Surge HV connector (Fischer S105 A039) CWG 553-MC: MC laboratory sockets	Surge HV connector (Fischer S105 A039)
Output	4 mm MC laboratory sockets	CWG 553: 4 mm MC laboratory sockets CWG 553-MC: MC laboratory sockets	4 mm MC laboratory sockets
Temperature range	0 to 40 °C	0 to 40 °C	0 to 40 °C
Housing material	plastics	plastics	plastics
Dimensions (L x W x H)	200 x 110 x 75 mm	200 x 110 x 75 mm	200 x 110 x 75 mm
Cable length	35 cm	CWG 553: 90 cm CWG 553-MC: without cables	90 cm
Weight	0.5 kg	0.5 kg	0.5 kg
Circuit diagram			
Careful: Low not grounded!			

All information regarding appearance and technical data correspond to the current state of development at the time of release of this data sheet. Technical changes and errors excepted. 032504

