

CNV 504N5 SERIES

COUPLING/DECOUPLING NETWORKS FOR 4 SIGNAL/DATA LINES



FOR TESTS ACCORDING TO ...

- > EN 61000-4-18
- > IEC 61000-4-18

COUPLING/DECOUPLING NETWORKS FOR TESTING MEASURING RELAYS AND PROTECTION EQUIPMENT

The CNV 504N5-series coupling/decoupling networks are used to apply damped oscillatory waves onto signal/data lines in accordance to EN/IEC 61000-4-18. A capacitance of 0.5 μ F is specified to couple the pulses on to the lines. Each line has a decoupling inductor of 1.5mH to protect the auxiliary equipment from being subjected to the test pulse. The disturbance signal used for this test is a damped oscillatory pulse with a frequency of 100kHz or 1MHz, being generated by the EM TEST OCS 500M6.

The CNV 504N5 series supports voltages of up to 250V AC/DC and a current of up to 4A AC/DC.

HIGHLIGHTS

- > **Dedicated CDN for the coupling of damped oscillatory waves as per EN/IEC 61000-4-18**
- > **Coupling capacitor 0.5 μ F**
- > **Decoupling inductor 1.5mH per line**
- > **Nominal line voltage 50V or 250V AC/DC**
- > **Nominal line current 4A AC/DC**

APPLICATION AREAS

-  COMPONENTS
-  INDUSTRY
-  RESIDENTIAL

TECHNICAL DETAILS

MODEL OVERVIEW

AVAILABLE CNV 504N5 MODELS

CNV 504N5.1	50V AC/DC per line
CNV 504N5.3	250V AC/DC per line

RECOMMENDED ACCESSORIES

GENERATOR AND OPTIONS FOR EN/IEC 61000-4-18 TESTING

OCS 500N6	Damped Oscillatory Wave generator, 100kHz and 1MHz
iec.control	Remote control and documentation software

TECHNICAL DETAILS

CNV 504N5.1

Nominal voltage	max. 50V AC/DC per line
Nominal current	max. 4A AC/DC per line
Test voltage	max. 3kV peak for 100kHz and 1MHz damped oscillatory waves
Source impedance	200 Ohm whereas 100 Ohm are part of the CNV and 100 Ohm are part of the generator OCS 500M6

CNV 504N5.3

Nominal voltage	max. 250V AC/DC per line
Nominal current	max. 4A AC/DC per line
Test voltage	max. 3kV peak for 100kHz and 1MHz damped oscillatory waves
Source impedance	200 Ohm whereas 100 Ohm are part of the CNV and 100 Ohm are part of the generator OCS 500N6

GENERAL DATA (ALL MODELS)

OUTPUTS

DUT connectors	4mm safety lab connectors
Dimensions, Weight	250mm x 160mm x 130mm approx. 2.5kg

COMPETENCE WHEREVER YOU ARE



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Information about scope of delivery, visual design and technical data correspond with the state of development at time of release. Technical data subject to change without further notice.