

CNV 501/503X- SERIES

SURGE COUPLING/DECOUPLING NETWORKS



FOR TESTS ACCORDING TO ...

- > ANSI/IEEE C62.41
- > EN 61000-4-5
- > EN 61000-6-1
- > EN 61000-6-2
- > EN 61543
- > IEC 60060
- > IEC 60601-1-2
- > IEC 61000-4-5
- > IEC 61008-1
- > IEC 61009-1
- > IEC 61326
- > IEC 61850-3
- > ITU-T K.20
- > ITU-T K.21
- > ITU-T K.45




COUPLING/DECOUPLING NETWORKS FOR SURGE

The coupling/decoupling networks of the CNV 501/503x series, are used to couple Surge pulses onto single phase or three-phase (4-wire or 5-wire supply lines) mains supply systems for voltages up to 690 V. Within the range of EM TEST coupling/decoupling networks we offer different models for voltages up to 5 kV, 7 kV, 8 kV, 10 kV and 12 kV with DUT currents of 16 A, 32 A, 63 A and 100 A (higher current ratings on request) for the various test requirements and equipment configuration.

HIGHLIGHTS

- > **Surge coupling/decoupling network as per EN/IEC 61000-4-5 and ANSI/IEEE C62.41**
- > **Fully automatic setting of coupling modes by the corresponding test generator up to 12kV**
- > **Automatic selection of the required source impedance**
- > **LEDs indicating active coupling**

APPLICATION AREAS

-  INDUSTRY
-  MEDICAL
-  BROADCAST
-  TELECOM
-  RESIDENTIAL

TECHNICAL DETAILS

SINGLE PHASE SURGE COUPLING/DECOUPLING NETWORKS FOR MAINS SUPPLY LINES

CNV 501, SINGLE PHASE, 5 KV

Single phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 Surge voltage up to 5 kV
EUT supply	250 V, 100 A AC 30 V, 100 A DC
Dimensions	Size: 19" / 6 HU Weight: approx. 55 kg

CNV 501S4, SINGLE PHASE, 10 KV

Single phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 Surge voltage up to 10 kV
EUT supply	250 V, 16 A AC 30 V, 16 A DC
Dimensions	Size: 19" / 6 HU Weight: approx. 26 kg

CNV 501S4.1, SINGLE PHASE, 10 KV

Single phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 and ANSI/IEEE C62.41 Surge voltage up to 10 kV
EUT supply	250 V, 16 A AC 30 V, 16 A DC
Dimensions	Size: 19" / 6 HU Weight: approx. 27 kg

CNV 501S6, SINGLE PHASE, 12 KV

Single phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 Surge voltage up to 12 kV
EUT supply	250 V, 16 A AC 30 V, 16 A DC
Dimensions	Size: 19" / 6 HU Weight: approx. 32 kg

CNV 501S7, SINGLE PHASE, 12 KV

Single phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 Surge voltage up to 12 kV
EUT supply	250 V, 32 A AC 30 V, 16 A DC
Dimensions	Size: 19" / 6 HU Weight: approx. 35 kg

THREE-PHASE SURGE COUPLING/DECOUPLING NETWORKS FOR MAINS SUPPLY LINES

CNV 503S1, THREE PHASE, 5 KV

Three phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 Surge voltage up to 5 kV
EUT supply	3x480 V, 32 A AC
Dimensions	Size: 19" / 6 HU Weight: approx. 35 kg

CNV 503S2, THREE PHASE, 5 KV

Three-phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 Surge voltage up to 5 kV
EUT supply	3x480 V, 63 A AC
Dimensions	Size: 19" / height depending on the size of the rack Weight: approx. 100 kg

CNV 503S3, THREE PHASE, 5 KV

Three-phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 Surge voltage up to 5 kV
EUT supply	3x480 V, 100 A AC
Dimensions	Size: 19" / height depending on the size of the rack Weight: approx. 100 kg

TECHNICAL DETAILS

THREE-PHASE SURGE COUPLING/DECOUPLING NETWORKS FOR MAINS SUPPLY LINES

CNV 503B5, THREE PHASE, 7 KV

Three-phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 and ANSI/IEEE C62.41 Surge voltage up to 7kV
EUT supply	3x480 V, 16 A AC
Dimensions	Size: 19" / 6 HU Weight: approx. 25 kg

CNV 503B7, THREE PHASE, 7 KV

Three-phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 and ANSI/IEEE C62.41 Surge voltage up to 7 kV
EUT supply	3x480 V, 32 A AC
Dimensions	Size: 19" / 6 HU Weight: approx. 35 kg

CNV 503B8, THREE PHASE, 7 KV

Three-phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 and ANSI/IEEE C62.41 Surge up to 7 kV
EUT supply	3x480 V, 63 A AC
Dimensions	Size: 19" / height depending on the size of the rack Weight: approx. 100 kg

CNV 503B9, THREE PHASE, 7 KV

Three-phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 and ANSI/IEEE C62.41 Surge voltage up to 7 kV
EUT supply	3x480 V, 100 A AC
Dimensions	Size: 19" / height depending on the size of the rack Weight: approx. 100 kg

THREE-PHASE SURGE COUPLING/DECOUPLING NETWORKS FOR MAINS SUPPLY LINES

CNV 503S5, THREE PHASE, 8 KV

Three-phase CDN	acc. EN/IEC 61000-4-5 Ed.3 Surge voltage up to 8 kV
EUT supply	3x480 V, 32 A AC
Dimensions	Size: 19" / 6 HU Weight: approx. 40 kg

CNV 503S6, THREE PHASE, 8 KV

Three-phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 Surge voltage up to 8 kV
EUT supply	3x480 V, 63 A AC
Dimensions	Size: 19" / height depending on the size of the rack Weight: approx. 100 kg

CNV 503S7, THREE PHASE, 8 KV

Three-phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 Surge voltage up to 8 kV
EUT supply	3x480 V, 100 A AC
Dimensions	Size: 19" / height depending on the size of the rack Weight: approx. 100 kg

TECHNICAL DETAILS

THREE-PHASE SURGE COUPLING/DECOUPLING NETWORKS FOR MAINS SUPPLY LINES

CNV 503S9, THREE PHASE, 10 KV

Three-phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 Surge voltage up to 10 kV
EUT supply	3x480 V, 16 A AC
Dimensions	Size: 19" / 6 HU Weight: approx. 30 kg

CNV 503S10, THREE PHASE, 10 KV

Three-phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 Surge voltage up to 10 kV
EUT supply	3x480 V, 32 A AC
Dimensions	Size: 19" / 6 HU Weight: approx. 40 kg

CNV 503N10.1, THREE PHASE, 10 KV

Three-phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 and ANSI/IEEE C62.41 Surge voltage up to 10 kV; in combination with VCS 500N10.3
EUT supply	3x480 V, 32 A AC
Dimensions	Size: 19" / 6 HU Weight: approx. 42 kg

CNV 503S11, THREE PHASE, 10 KV

Three-phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 Surge voltage up to 10 kV
EUT supply	3x480 V, 63 A AC
Dimensions	Size: 19" / height depending on the size of the rack Weight: approx. 100 kg

CNV 503S12, THREE PHASE, 10 KV

Three-phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 Surge voltage up to 10 kV
EUT supply	3x480 V, 100 A AC
Dimensions	Size: 19" / height depending on the size of the rack Weight: approx. 100 kg

THREE-PHASE SURGE COUPLING/DECOUPLING NETWORKS FOR MAINS SUPPLY LINES

CNV 503S14, THREE PHASE, 12 KV

Three-phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 Surge voltage up to 12 kV
EUT supply	3x480 V, 16 A AC
Dimensions	Size: 19" / height depending on the size of the rack Weight: approx. 100 kg

CNV 503S15, THREE PHASE, 12 KV

Three-phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 Surge voltage up to 12 kV
EUT supply	3x480 V, 32 A AC
Dimensions	Size: 19" / height depending on the size of the rack Weight: approx. 100 kg

CNV 503S21, THREE PHASE, 12 KV

Three-phase CDN	acc. to EN/IEC 61000-4-5 Ed.3 Surge voltage up to 12 kV
EUT supply	3x690 V, 32 A AC
Dimensions	Size: 19" / 6HU Weight: approx. 45 kg

GENERAL DATA

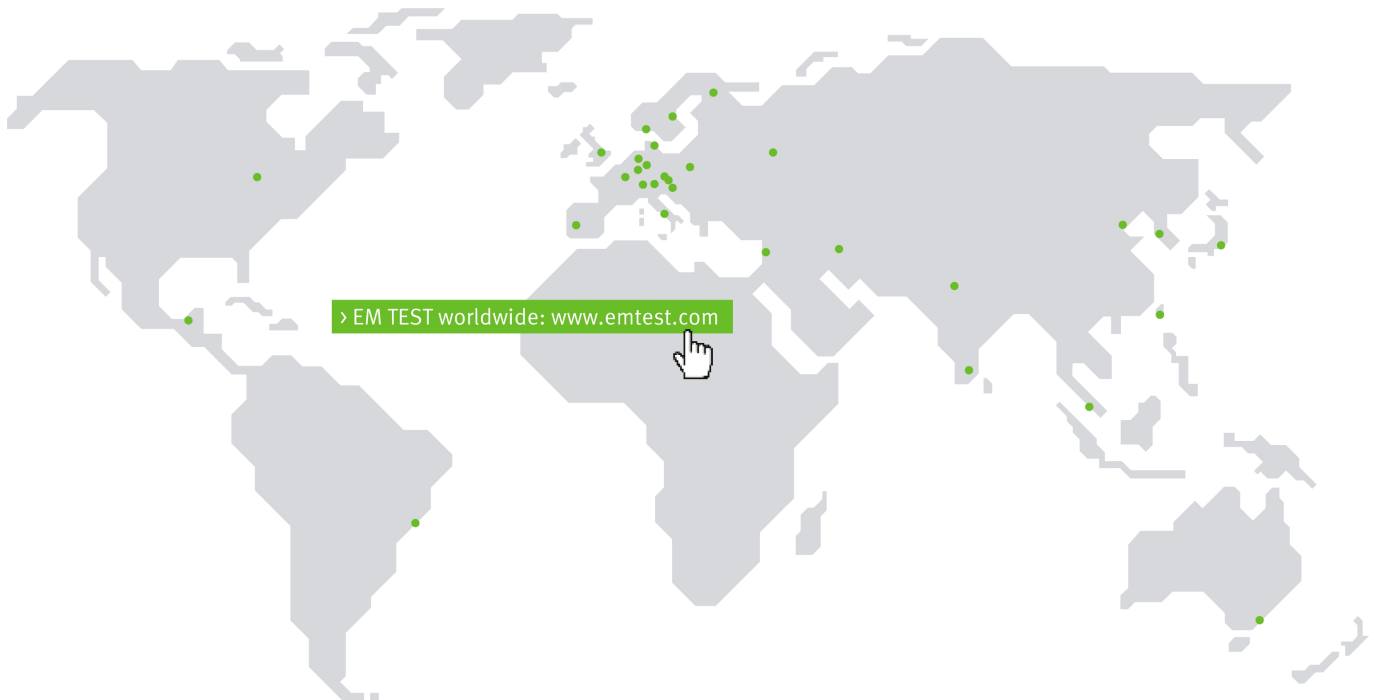
COUPLING MODES

IEC 61000-4-5	Line to Line with a 2ohm source impedance Line(s) to PE with a 12ohm source impedance
ANSI/IEEE C62.41	Line to line with a 2ohm source impedance line(s) to PE with 2ohm source impedance (only for models that support this capability)

OTHER MODELS

Other models available on request for mains supply voltages up to 1,000V and current exceeding 100A

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. Subject to change without further notice.