

CNI 503X SERIES

COMBINED 3-PHASE COUPLING/DECOUPLING NETWORKS FOR BURST AND SURGE TESTING UP TO 10KV



FOR TESTS ACCORDING TO ...

- › ANSI/IEEE C62.41
- › EN 61000-4-12
- › EN 61000-4-4
- › EN 61000-4-5
- › EN 61000-6-1
- › EN 61000-6-2
- › EN 61543
- › IEC 60601-1-2
- › IEC 61000-4-12
- › IEC 61000-4-4
- › 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 EFT/BURST AND SURGE






The three-phase coupling/decoupling networks of the CNI 503x series are used to couple EFT/Burst pulses and Surge pulses on DC-lines or to three-phase (4-wire or 5-wire supply lines) mains supply systems for voltages up to 1,000VDC / 3x690VAC. This includes the more and more common testing of inverters used in the area of renewable energies (e.g. photovoltaic systems, wind power stations, electric cars).

Within the range of EM TEST coupling/decoupling networks we offer different models for test voltages from 5kV up to 10kV with DUT currents of 16A, 32A, 63A, 100A and 200A for the various test requirements and equipment configuration.

HIGHLIGHTS

- › **Combined coupler for EFT/Burst and Surge**
- › **Surge as per ANSI/IEEE C62.41 (models CNI 503Bx only, other couplers on request)**
- › **LEDs indicate active mode and coupling**
- › **Automatic selection of Surge impedance**
- › **Fully remote controlled by EM TEST generators**

APPLICATION AREAS

- | | |
|---|--|
|  INDUSTRY |  RESIDENTIAL |
|  MEDICAL |  RENEWABLE ENERGY |
|  BROADCAST | |
|  TELECOM | |

TECHNICAL DETAILS

BENEFITS

The CNI 503x-series coupling/decoupling networks are built fully complying to the standard requirements of EN/IEC 61000-4-4 and EN/IEC 61000-4-5. Residual voltage levels are carefully considered as well as the value of the decoupling inductors in order to meet the requirements with regard to voltage drop at the rated current of each type of CDN. Apart from the coverage of the EN/IEC 61000-4-5 standard the CNI 503Bx series also fully complies with the surge test requirements outlined in ANSI/IEEE C62.41.

Being fully controlled by the related generators couplings of the CNI 503x are set automatically as selected for the test (either by manual operation or via software). When performing surge tests the generators will automatically set the required source impedance depending on the standard and the coupling mode.

For CNI 503 coupling networks for DC EUT-supply an optional TEST ON function with a contactor up to 1,500 VDC / >100 A capacity is available.

MODEL SERIES

AVAILABLE CNI 503X-MODELS

| | |
|--------------------|--|
| CNI 503Ax series | 3x480V, according to - EN/IEC 61000-4-4 and - EN/IEC 61000-4-5 |
| CNI 503A Sx series | 3x690V, according to - EN/IEC 61000-4-4 and - EN/IEC 61000-4-5 |
| CNI 503Bx series | 3x480V, 3x690V, according to - EN/IEC 61000-4-4 and - EN/IEC 61000-4-5 and - ANSI/IEEE C62.41 |
| CNI 503B Sx series | 3x690V, 3x480V, according to - EN/IEC 61000-4-4 and - EN/IEC 61000-4-5 and - ANSI/IEEE C62.41 |

TECHNICAL DETAILS

MODEL OVERVIEW

| AVAILABLE CNI 503X-MODELS UP TO 5.5KV | |
|---------------------------------------|---|
| CNI 503A | 3x480V, 16A AC |
| CNI 503A.1 | 3x690V, 16A AC |
| CNI 503A1.1 | 3x480V, 16A AC Railway EN 50121-4 |
| CNI 503A2 | 3x480V, 32A AC |
| CNI 503A2.5 | 3x480V, 32A AC Railway EN 50121-4 |
| CNI 503A2.6 | 3x480V, 32A AC 1,000V, 32A DC 500V, 150A DC, TEST ON function (DC) |
| CNI 503A2.1 | 3x690V, 32A AC |
| CNI 503A3 | 3x480V, 63A AC |
| CNI 503A3.2 | 3x690V, 63A AC |
| CNI 503A4.1 | 3x480V, 100A AC Railway EN 50121-4 |
| CNI 503A4.2 | 3x690V, 100A AC |
| CNI 503A4.5 | 3x690V, 100A AC, 1,000V, 100A DC, TEST ON function (DC) |
| CNI 503A4.6 | 3x480V, 100A AC, 1,000V, 100A DC, TEST ON function (DC) |
| | |
| CNI 503A S23 | 3x690V, 200A AC 1,000V, 200A DC |

| AVAILABLE CNI 503X-MODELS UP TO 7KV | |
|-------------------------------------|---|
| CNI 503B5 | 3x480V, 16A AC |
| CNI 503B S1 | 3x690V, 16A AC |
| CNI 503B7 | 3x480V, 32A AC |
| CNI 503B7.6 | 3x480V, 32A AC Railway EN 50121-4 |
| CNI 503B7.3 | 3x480V, 32A AC, 1,000V, 32A DC |
| CNI 503B S2 | 3x690V, 32A AC |
| CNI 503B7.5 | 3x690V, 32A AC, 1,000V, 32A DC, TEST ON function (DC) |
| CNI 503B8 | 3x480V, 63A AC |

MODEL OVERVIEW

| AVAILABLE CNI 503X-MODELS UP TO 7KV | |
|-------------------------------------|---|
| CNI 503B8.1 | 3x690V, 63A AC, 1,000V, 63A DC, TEST ON function (DC) |
| CNI 503B S3 | 3x690V, 63A AC |
| CNI 503B9 | 3x480V, 100A AC |
| CNI 503B9.2 | 3x480V, 100A AC, 1,000V, 100A DC |
| CNI 503B9.4 | 3x690V, 100A AC, 1,000V, 100A DC |
| CNI 503B9.6 | 3x480V, 100A AC, 1,000V, 100A DC, TEST ON function (DC) |
| CNI 503B S4 | 3x690V, 100A AC |
| CNI 503B S12 | 3x480V, 200A AC, 1,000V, 200A DC |
| CNI 503B S14 | 3x690V, 200A AC, 1,000V, 200A DC |

| AVAILABLE CNI 503X-MODELS UP TO 8KV | |
|-------------------------------------|-----------------|
| CNI 503A10 | 3x480V, 16A AC |
| CNI 503A12 | 3x480V, 32A AC |
| CNI 503A13 | 3x480V, 63A AC |
| CNI 503A14 | 3x480V, 100A AC |

| AVAILABLE CNI 503X-MODELS UP TO 10KV | |
|--------------------------------------|-----------------|
| CNI 503A16 | 3x480V, 16A AC |
| CNI 503A18 | 3x480V, 32A AC |
| CNI 503A19 | 3x480V, 63A AC |
| CNI 503A20 | 3x480V, 100A AC |

TECHNICAL DETAILS

TECHNICAL DETAILS (5.5KV MODELS)

CNI 503A, 5.5KV

| | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 5.5kV Surge up to 5kV |
|-----------------|--|

| | |
|------------|----------------|
| EUT supply | 3x480V, 16A AC |
|------------|----------------|

| | |
|------------|--|
| Dimensions | Size: 19" / 6 HU Weight: approx. 25kg |
|------------|--|

CNI 503A.1, 5.5KV

| | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 5.5kV Surge up to 5kV |
|-----------------|--|

| | |
|------------|----------------|
| EUT supply | 3x690V, 16A AC |
|------------|----------------|

| | |
|------------|--|
| Dimensions | Size: 19" / 6 HU Weight: approx. 27kg |
|------------|--|

CNI 503A1.1, 5.5KV

| | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 5.5kV Surge up to 5kV |
|-----------------|--|

| | |
|----------------------|---|
| EN 50121-x couplings | manual selectable for: 42 ohm, 0.5 uF, 12 ohm, 9 uF |
|----------------------|---|

| | |
|------------|----------------|
| EUT supply | 3x480V, 16A AC |
|------------|----------------|

| | |
|------------|---|
| Dimensions | Size: 19" / 6 HU, D: 542 mm Weight: 22.75 kg |
|------------|---|

CNI 503A2, 5.5KV

| | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 5.5kV Surge up to 5kV |
|-----------------|--|

| | |
|------------|----------------|
| EUT supply | 3x480V, 32A AC |
|------------|----------------|

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|------------|--|
| Dimensions | Size: 19" / 6 HU Weight: approx. 35kg |
|------------|--|

TECHNICAL DETAILS (5.5KV MODELS)

CNI 503A2.5, 5.5KV

| | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 5.5kV Surge up to 5kV |
|-----------------|--|

| | |
|----------------------|---|
| EN 50121-x couplings | manual selectable for: 42 ohm, 0.5 uF, 12 ohm, 9 uF |
|----------------------|---|

| | |
|------------|----------------|
| EUT supply | 3x480V, 32A AC |
|------------|----------------|

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|------------|---|
| Dimensions | Size: 19" / 6 HU, D: 542 mm Weight: 32.85 kg |
|------------|---|

CNI 503A2.6, 5.5KV

| | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 5.5kV Surge up to 5kV TEST ON function |
|-----------------|--|

| | |
|------------|---|
| EUT supply | 3x480V, 32A AC 1,000V, 32A DC 500V, 150A DC |
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| | |
|------------|--|
| Dimensions | Size: 19" / 34 HU Rack / 800mm Weight: approx. 400kg Additional 19"/34HU rack required |
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|-------------|---|
| Application | Suitable for testing Hybrid and E-vehicles |
|-------------|---|

CNI 503A2.1, 5.5KV

| | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 5.5kV Surge up to 5kV |
|-----------------|--|

| | |
|------------|----------------|
| EUT supply | 3x690V, 32A AC |
|------------|----------------|

| | |
|------------|--|
| Dimensions | Size: 19" / 6 HU Weight: approx. 37kg |
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TECHNICAL DETAILS

TECHNICAL DETAILS (5.5KV MODELS)

CNI 503A3, 5.5KV

| | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 5.5kV Surge up to 5kV |
|-----------------|--|

| | |
|------------|----------------|
| EUT supply | 3x480V, 63A AC |
|------------|----------------|

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|------------|--|
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 100kg Additional 19"/34HU rack required |
|------------|--|

CNI 503A3.2, 5.5KV

| | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 5.5kV Surge up to 5kV |
|-----------------|--|

| | |
|------------|----------------|
| EUT supply | 3x690V, 63A AC |
|------------|----------------|

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|------------|--|
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 100kg Additional 19"/34HU rack required |
|------------|--|

CNI 503A4.1, 5.5KV

| | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 5.5kV Surge up to 5kV |
|-----------------|--|

| | |
|----------------------|---|
| EN 50121-x couplings | manual selectable for: 42 ohm, 0.5 uF, 12 ohm, 9 uF |
|----------------------|---|

| | |
|------------|-----------------|
| EUT supply | 3x480V, 100A AC |
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|------------|---|
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 150 kg Additional 19"/34HU rack required |
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TECHNICAL DETAILS (5.5KV MODELS)

CNI 503A4.2, 5.5KV

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|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 5.5kV Surge up to 5kV |
|-----------------|--|

| | |
|------------|-----------------|
| EUT supply | 3x690V, 100A AC |
|------------|-----------------|

| | |
|------------|--|
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 150kg Additional 19"/34HU rack required |
|------------|--|

CNI 503A4.5, 5.5KV

| | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 5.5kV Surge up to 5kV |
|-----------------|--|

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|------------|---|
| EUT supply | 3x690V, 100A AC, 1,000V, 100A DC, TEST ON function (DC) |
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|------------|--|
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 150kg Additional 19"/34HU rack required |
|------------|--|

CNI 503A4.6, 5.5KV

| | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 5.5kV Surge up to 5kV |
|-----------------|--|

| | |
|------------|---|
| EUT supply | 3x480V, 100A AC, 1,000V, 100A DC, TEST ON function (DC) |
|------------|---|

| | |
|------------|--|
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 150kg Additional 19"/34HU rack required |
|------------|--|

CNI 503A S23, 5.5KV

| | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 5.5kV Surge up to 5kV |
|-----------------|--|

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|------------|------------------------------------|
| EUT supply | 3x690V, 200A AC 1,000V, 200A DC |
|------------|------------------------------------|

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|------------|--|
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 200kg Additional 19"/34HU rack required |
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TECHNICAL DETAILS

TECHNICAL DETAILS (7KV MODELS)

| CNI 503B5, 7KV | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4, EN/IEC 61000-4-5 and ANSI/IEEE C62.41 for Burst up to 5.5kV Surge up to 7kV |
| EUT supply | 3x480V, 16A AC |
| Dimensions | Size: 19" / 6 HU Weight: approx. 25kg |

| CNI 503B S1, 7KV | |
|------------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4, EN/IEC 61000-4-5 and ANSI/IEEE C62.41 for Burst up to 5.5kV Surge up to 7kV |
| EUT supply | 3x690V, 16A AC |
| Dimensions | Size: 19" / 6 HU Weight: approx. 27kg |

| CNI 503B7, 7KV | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4, EN/IEC 61000-4-5 and ANSI/IEEE C62.41 for Burst up to 5.5kV Surge up to 7kV |
| EUT supply | 3x480V, 32A AC |
| Dimensions | Size: 19" / 6 HU Weight: approx. 35kg |

| CNI 503B7.6, 7KV | |
|----------------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 5.5kV Surge up to 5kV |
| EN 50121-x couplings | manual selectable for: 42 ohm, 0.5 uF, 12 ohm, 9 uF |
| EUT supply | 3x480V, 32A AC |
| Dimensions | Size: 19" / 6 HU, D: 542 mm Weight: approx. 42.0 kg |

TECHNICAL DETAILS (7KV MODELS)

| CNI 503B7.3, 7KV | |
|-----------------------------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4, EN/IEC 61000-4-5 and ANSI/IEEE C62.41 for Burst up to 5.5kV Surge up to 7kV |
| EUT supply | 3x480V, 32A AC 1,000V, 32A DC |
| Dimensions | Size: 19" / 6 HU *) Weight: approx. 35kg |
| Additional 19"/34HU rack required | |

| CNI 503B7.5, 7KV | |
|-----------------------------------|---|
| Three-phase CDN | according to EN/IEC 61000-4-4, EN/IEC 61000-4-5 and ANSI/IEEE C62.41 for Burst up to 5.5kV, Surge up to 7kV, TEST ON function for DC, connector for external warning lamp |
| EUT supply | 3x690V, 32A AC, 1,000V, 32A DC |
| Dimensions | Size: 19" / 6 HU *) Weight: approx. 35kg |
| Additional 19"/34HU rack required | |

| CNI 503B S2, 7KV | |
|------------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4, EN/IEC 61000-4-5 and ANSI/IEEE C62.41 for Burst up to 5.5kV, Surge up to 7kV, |
| EUT supply | 3x690V, 32A AC |
| Dimensions | Size: 19" / 6 HU Weight: approx. 37kg |

TECHNICAL DETAILS

TECHNICAL DETAILS (7KV MODELS)

| CNI 503B8, 7KV | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4, EN/IEC 61000-4-5 and ANSI/IEEE C62.41 for Burst up to 5.5kV, Surge up to 7kV |
| EUT supply | 3x480V, 63A AC |
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 100kg Additional 19"/34HU rack required |

| CNI 503B8.1, 7KV | |
|------------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4, EN/IEC 61000-4-5 and ANSI/IEEE C62.41 for Burst up to 5.5kV, Surge up to 7kV Ring Wave up to 7kV |
| EUT supply | 3x690V, 63A AC, 1,000V, 63A DC |
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 100kg Additional 19"/34HU rack required |

| CNI 503B S3, 7KV | |
|------------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4, EN/IEC 61000-4-5 and ANSI/IEEE C62.41 for Burst up to 5.5kV, Surge up to 7kV |
| EUT supply | 3x690V, 63A AC |
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 100kg Additional 19"/34HU rack required |

| CNI 503B9, 7KV | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4, EN/IEC 61000-4-5 and ANSI/IEEE C62.41 for Burst up to 5.5kV, Surge up to 7kV |
| EUT supply | 3x480V, 100A AC |
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 150kg Additional 19"/34HU rack required |

TECHNICAL DETAILS

TECHNICAL DETAILS (7KV MODELS)

| CNI 503B9.2, 7KV | |
|------------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4, EN/IEC 61000-4-5 and ANSI/IEEE C62.41 for Burst up to 5.5kV, Surge up to 7kV |
| EUT supply | 3x480V, 100A AC, 1,000V, 100A DC |
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 150kg Additional 19"/34HU rack required |

| CNI 503B9.4, 7KV | |
|------------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4, EN/IEC 61000-4-5 and ANSI/IEEE C62.41 for Burst up to 5.5kV, Surge up to 7kV with connector for external warning lamp |
| EUT supply | 3x690V, 100A AC, 1,000V, 100A DC |
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 150kg Additional 19"/34HU rack required |

| CNI 503B9.6, 7KV | |
|------------------|---|
| Three-phase CDN | according to EN/IEC 61000-4-4, EN/IEC 61000-4-5 and ANSI/IEEE C62.41 for Burst up to 5.5kV, Surge up to 7kV, TEST ON function for DC, connector for external warning lamp |
| EUT supply | 3x480V, 100A AC, 1,000V, 100A DC |
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 150kg Additional 19"/34HU rack required |
| Application | Suitable for testing Hybrid and E-vehicles |

TECHNICAL DETAILS (7KV MODELS)

| CNI 503B S4, 7KV | |
|------------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4, EN/IEC 61000-4-5 and ANSI/IEEE C62.41 for Burst up to 5.5kV, Surge up to 7kV |
| EUT supply | 3x690V, 100A AC |
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 150kg Additional 19"/34HU rack required |

| CNI 503B S12, 7KV | |
|-------------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4, EN/IEC 61000-4-5 and ANSI/IEEE C62.41 for Burst up to 5.5kV, |
| EUT supply | 3x480V, 200A AC, 1,000V, 200A DC |
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 230kg Additional 19"/34HU rack required |

| CNI 503B S14, 7KV | |
|-------------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4, EN/IEC 61000-4-5 and ANSI/IEEE C62.41 for Burst up to 5.5kV, |
| EUT supply | 3x690V, 200A AC, 1,000V, 200A DC |
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 250kg Additional 19"/34HU rack required |

TECHNICAL DETAILS

TECHNICAL DETAILS (8KV MODELS)

| CNI 503A10, 8KV | |
|-----------------|---|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 7kV, Surge up to 8kV |
| EUT supply | 3x480V, 16A AC |
| Dimensions | Size: 19" / 6 HU Weight: approx. 30kg |

| CNI 503A12, 8KV | |
|-----------------|---|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 7kV, Surge up to 8kV |
| EUT supply | 3x480V, 32A AC |
| Dimensions | Size: 19" / 6 HU Weight: approx. 40kg |

| CNI 503A13, 8KV | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 7kV, Surge up to 8kV |
| EUT supply | 3x480V, 63A AC |
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 100kg Additional 19"/34HU rack required |

| CNI 503A14, 8KV | |
|-----------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 7kV, Surge up to 8kV |
| EUT supply | 3x480V, 100A AC |
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 100kg Additional 19"/34HU rack required |

TECHNICAL DETAILS (10KV MODELS)

| CNI 503A16, 10KV | |
|------------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 7kV, Surge up to 10kV |
| EUT supply | 3x480V, 16A AC |
| Dimensions | Size: 19" / 6 HU Weight: approx. 30kg |

| CNI 503A18, 10KV | |
|------------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 7kV, Surge up to 10kV |
| EUT supply | 3x480V, 32A AC |
| Dimensions | Size: 19" / 6 HU Weight: approx. 40kg |

| CNI 503A19, 10KV | |
|------------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 7kV, Surge up to 10kV |
| EUT supply | 3x480V, 63A AC |
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 100kg Additional 19"/34HU rack required |

| CNI 503A20, 10KV | |
|------------------|--|
| Three-phase CDN | according to EN/IEC 61000-4-4 and EN/IEC 61000-4-5 for Burst up to 7kV, Surge up to 10kV |
| EUT supply | 3x480V, 100A AC |
| Dimensions | Size: 19" / height depending on the size of the rack Weight: approx. 100kg Additional 19"/34HU rack required |

TECHNICAL DETAILS

GENERAL DATA

| COUPLING MODES | |
|-----------------|--|
| IEC 61000-4-4 | Line(s) to Reference Ground; all combinations |
| IEC 61000-4-5 | Line to Line with a 2ohm source impedance Line(s) to PE with a 12ohm source impedance |
| ANSI/IEEE C62.4 | (supporting models only) Surge coupling with a 2ohm source impedance for all lines |

| OPTIONS | |
|-------------|---|
| Note: | All CNI 503x models for currents of 63A and 100A are designed for rack mounting. The rack is offered based on the desired configuration. The following racks are available: |
| MRAC 20 IEC | Mini rack 19", 20HU for CNI 503x only |
| MRAC 25 IEC | Mini rack 19", 25HU for CNI 503x and one generator 3HU (e.g. UCS 500N5) |
| MRAC 34 IEC | Rack 19", 34HU for CNI 503x and one generator 6HU (e.g. UCS 500N7) or several standalone generators |
| MRAC 38 IEC | Rack 19", 38HU for CNI 503x and one generator 6HU (e.g. UCS 500N7) or several standalone generators |

| 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.