

Coupling-/Decoupling Network CDN 2402/2410

Surge: 2.5 kV, 1.2/50µs
Burst 2.5 kV, 5/50 ns



The capacitive Coupling-/Decoupling Networks CDN 2402/2410 are used in combination with the CE-TESTER and allows superimposition of surge and burst test pulses to up to four I/O signal lines.

The test set-up is suitable for surge immunity testing of electronic systems and devices according to IEC 61000-4-4, EN 61000-4-4, IEC 61000-4-5, EN 61000-4-5 and IEEE 587.

The CDN 2402/2410 contain the coupling impedances 0.1 µF/ 0.5 µF/ Varistor + 40Ω for the surge generator and 33 nF for the burst generator and four decoupling impedances L=20 mH.

Coupling mode can be selected from the front panel of the CE-TESTER. Remote control commands are transmitted from the CE-TESTER to the Coupling-/Decoupling Network by use of an optical link.

Technical specification:

CDN 2402 / CDN 2410

Coupling-/Decoupling Network for I/O lines	L1, L2, L3, L4, PE
Nominal voltage	48 V= 240V
Nominal current ac/dc	4 A = 6 A≈/4A=
max. test voltage	2.5 kV, 1.2/50 µs 2.5 kV, 5/50 ns
Coupling impedance for the surge generator	0.1 µF / 0.5 µF + 40 Ω / Varistor + 40Ω
Coupling impedance for the burst generator	33 nF
Coupling mode, selectable, for the surge generator	line to line via 0.1/0.5 µF line to ground via 0.1/0.5 µF
Coupling mode, selectable, for the burst generator	line to ground via 33 nF
Mains power	230 V, 50/60 Hz
Dimensions: desk top case W * H * D	471*156*520 mm ³
Weight	15 kg 25 kg

Technical specification subject to change

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