

Coupling-/Decoupling Network

CDN 12216



240 V / 16 A

max. test voltage 12 kV, 1.2/50 μ s
max. test current 6 kA, 8/20 μ s

The capacitive Coupling-/Decoupling Network CDN 12216 is used in combination with the Surge generators PG 6-204, PG 10-504 or PG 12-804 and allows superimposition of surge test pulses to the single-phase power supply voltage of the device under test.

The test set-up is suitable for immunity testing of electronic systems and devices according to IEC 1000-4-4, EN 61000-4-4, IEC 1000-4-5, EN 61000-4-5 and IEEE 587.

The CDN 12216 contains the coupling impedances 18 μ F and 9 μ F + 10 Ω for the surge generator and the decoupling impedances for the power supply lines.

Additional coupling mode: „coupling to both lines“ with 10 Ω and two capacitors 9 μ F is provided.

Coupling mode can be selected from the front panel of the generator connected. Control commands are transmitted from the generator to the Coupling-/Decoupling Network by use of an optical link.

The coupling impedance and the coupling path selected are indicated on the front panel of the coupling-/decoupling network.

Technical specification:

CDN 12216

Nominal voltage,	240V/50-60 Hz
Nominal current, ac/dc	16A≈/12A=
Series inductors to the mains power supply	2 * 5 mH /16 A
max. test voltage for the surge generator	12 kV, 1.2/50 μ s
Coupling mode, selectable	line to line via 18 μ F or line to ground via 9 μ F+10 Ω both lines to ground via 2*9 μ F+10 Ω
Mains power	230 V , 50/60 Hz
Dimensions: desk top case W * H * D	471*156*520 mm ³
Weight	30 kg

Technical specification subject to change

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