

# Coupling-/Decoupling Network

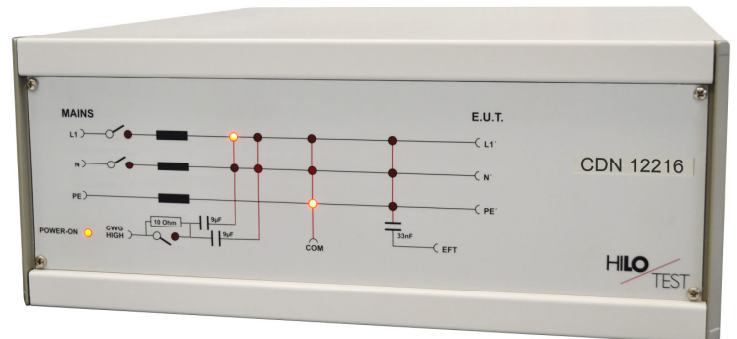
## CDN 10216 / 12216

240 V / 16 A

max. test voltage 10 / 12 kV, 1.2/50 $\mu$ s

max. test current 5 / 6 kA, 8/20  $\mu$ s

Burst 5 kV, 5/50 ns



The capacitive Coupling-/Decoupling Network CDN 12216 is used in combination with the Surge generators PG 7-250, 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 61000-4-4, IEC 61000-4-5 and IEEE 587.

The CDN 12216 contains the coupling impedances 18  $\mu$ F and 9  $\mu$ F + 10  $\Omega$  for the surge generator and the decoupling impedances for the power supply lines.

Additional coupling mode: „coupling to both lines“ with 10  $\Omega$  and two capacitors 9  $\mu$ 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 10216 / CDN 12216
Nominal voltage,	240V/50-60 Hz
Nominal current, ac/dc	16A $\approx$ /12A=
Series inductors to the mains power supply	2 * 5 mH /16 A
max. test voltage for the surge generator	10kV / 12kV
max. Prüfspannung BURST, 5/50 ns	5 kV
Coupling mode, selectable, for the surge generator	line to line via 18 $\mu$ F or line to ground via 9 $\mu$ F+10 $\Omega$
Coupling mode, selectable, for the burst generator	both lines to ground via 2*9 $\mu$ F+10 $\Omega$ line to ground via 33 nF
Mains power	230 V , 50/60 Hz
Dimensions: desk top case W * H * D	450*180*520 mm <sup>3</sup>
Weight	30 kg