

CDN-EMCL-NW_10

Matching network

IEC / EN 61000-4-6

- For use with the EMCL-20 in the frequency range 10 kHz - 150 kHz
- For use with the CDN BCI-P1 in the frequency range 10 kHz - 1 MHz



Required for frequencies < 150 kHz when using the EM coupling section EMCL-20!

Overview

The EM clamp has been developed for test frequencies above 150 kHz. For test requirements in the frequency range from 10 kHz - 150 kHz, the insertion loss is too high for effective coupling. Therefore a CDN EMCL-NW_10 matching network should be used. This network transforms the low impedance of the EM coupling path into an acceptable impedance for the amplifier. With this matching network, reproducible tests up to 10 V at 80 % AM are possible in IEC 61000-4-6.

An HF generator with a frequency range from 10 kHz and 75 W like the CDG 7000-75_10 should be used.

The CDN EMCL-NW_10 should be connected between the HF output of the CDG 7000-75_10 and the EMCL-20 without the 6 dB attenuator.

The CDN EMCL-NW_10 is also suitable to extend the frequency range of the BCI-P1 down to 10 kHz.

Connection to the coupling clamp EMCL-20



The matching network CDN EMCL-NW_10 is not required for the EMCL-35.

All information regarding appearance and technical data correspond to the current state of development at the time of release of this data sheet. We reserve the right to make technical changes. 072009