

## DATA SHEET

### CAPACITIVE COUPLING CLAMP, type HFK

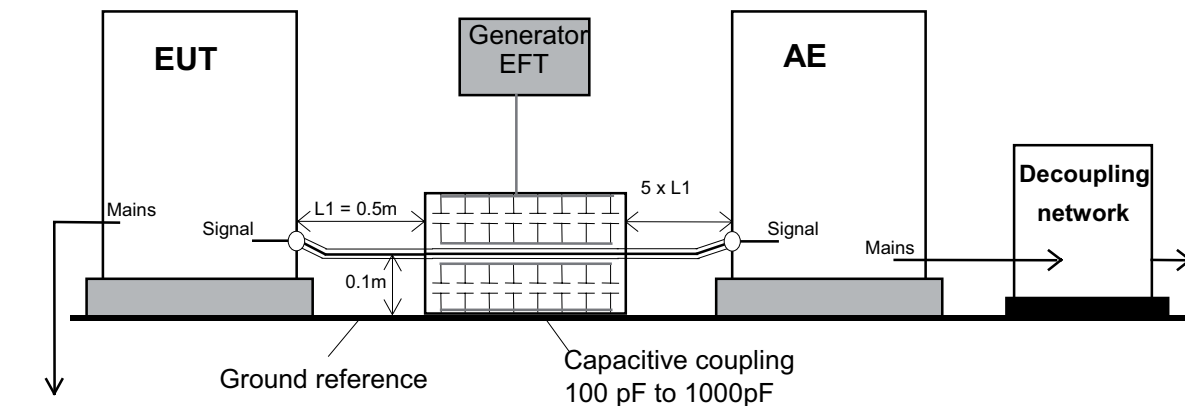
The HFK is used to couple EFT/burst pulses to I/O lines as required in different European and international standards for immunity testing.

Example: Burst testing as per IEC 61000-4-4, Basic Standard

The coupling of the Electrical Fast Transients EFT/burst to signal lines can usually not be achieved by discrete capacitive coupling without interfering with the signal flow. It is often impossible to contact the required circuit (direct), e. g. coaxial or shielded cables. In this case the coupling is realized by the capacitive coupling clamp. The interference simulator can be connected on both sides of the coupling clamp.

The clamp should be placed in a distance of 0.5m to the equipment under test. When using shorter distances, the EUT may be influenced by radiation.

If the EUT is built up from two different equipment, the test should be conducted on each single equipment with the required distance.



**Coupling to signal lines or lines where no contact is possible (e.g. shielded lines)**