

MODEL NUMBER:

LISN-CISPR16-32A

LINE IMPEDANCE STABILISATION NETWORK



DESCRIPTION:

The LISN-CISPR16-32A is a Line Impedance Stabilization Network for the measurement of line-conducted interference within the range of 9 kHz to 30MHz, according to the CISPR 16-1-2 standard. The device is designed for testing 3-phase and single phase, AC-powered equipment with supply voltages up to maximum 450V/260V and 32A. Conducted noise can be measured on each phase and on the neutral conductor. The LISN-CISPR16-32A has separate RF outputs for each phase and neutral and consequently can be coupled with the LISN-CISPR to split the emissions in its common mode and differential mode components. The LISN-CISPR16-32A has no integrated high pass filter at the RF outputs, but comes with an external 9 kHz coaxial high pass instead. The single-phase DUT socket is available in country-specific variants.

SPECIFICATIONS

Frequency range	9 kHz to 30 MHz
Impedance	50 Ω (50 μ H + 5 Ω)
Artificial hand	220 pF + 511 Ω
Switchable PE	50 Ω 50 μ H
• 250 μ H pre-filter	
• Separate RF outputs for each line and neutral	
• Air core inductors	
• Line voltage	max. 540V/260V / 50 – 60 Hz, CAT
Max. current per line and neutral	32A @ 23°C each
3-phase DUT socket	CEE/IEC60309, 3L+N+PE, 32A, female
Single-phase DUT socket	country specific
Power connector	CEE/IEC60309, 3L+N+PE, 32A, male
Measurement connectors	50 Ω BNC
• External 9 kHz high pass filter, N-male / N-female	
Operating Temperature Range	+5°C ... + 40°C; 5% to 80% RH

APPLICATION

- EMC conducted noise measurements

