The Model IN50000 is a line impedance stabilization network designed to maintain a specific impedance to the item under test. It is an artificial network which is a reference standard when measuring transient emissions generated by items under test. The network also blocks unwanted disturbances from the item under test while allowing the required voltage and current to be supplied to the item. The LISN also provides a 50Ω shunt output impedance for the measurement of RF emissions produced by the DUT.

Figure 1 below shows a typical schematic diagram of the network.
SPECIFICATIONS, IN50000

**Electrical:**
Frequency Range .................................................. 150 kHz–30 MHz

Supply Lines (Power) .................................................. 2 and 4 conductors (IN52000=2, IN54000=4)

Impedance Characteristic .............................................. Meets the performance requirements for the 50Ω, 50 MHz LISN circuit defined in CISPR 16-1-2

Current Ratings .................................................... See Model Numbers below.

Maximum Voltages .................................................... 2 conductors: DC–60 Hz, 240V
4 conductors: DC–60Hz, 480V

Power connector ......................................................... Multi-contact Safety socket

**MODEL NUMBERS, IN50000**

<table>
<thead>
<tr>
<th>Current Rating</th>
<th>IN52000</th>
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