

CN19 ZDIFF 1 OHM

Current Shunt

IEC / EN 61000-4-19

- Current shunt according to EN 61000-4-19 (Draft), Annex C, Fig. 3



External isolating transformers required.



Overview

IEC/EN 61000-4-19 defines a structure for testing energy meters in Appendix C. Only one decoupling impedance Z_{diff} is defined, which both assumes a decoupling function and serves as a shunt for current measurement.

The disadvantage of this simple solution is the lack of galvanic isolation between the amplifier and the EUT circuit, which is why external isolating transformers must be used for test voltage and current supply.

Technical data

CN19_ZDIFF 1 Ohm

Frequency range DC ...150 kHz

Four-wire shunt $1 \Omega \pm 0.01 \Omega$ max.

Current 4 A cont.

Shunt input/output 4 mm safety sockets (brown)

Multimeter output 4 mm safety sockets (red/black)

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. 052105

