

DECLARATION OF CONFORMITY

Declaration Number: S94-C330-00010-0
Product Name: SE-330AU Neutral-Earthing-Resistor Monitor
Current Sensors: EFCT-1, EFCT-2, EFCT-26, SE-CS30-26,
SE-CS30-70
Sensing Resistors: ER-600VC, ER-5KV, ER-15KV, ER-25KV, ER-35KV
Test Standard: AS/NZS 2081.3:2002
Issue Date: 2008-02-01

Product Description

The SE-330AU is a microprocessor-based neutral earthing-resistor monitor that detects NER failures and earth faults in resistance-earthed systems. The SE-330AU measures NER resistance, NER current, and transformer or generator neutral-to-earth voltage. The components required to monitor an NER are an SE-330AU, an ER-series sensing resistor, and a current transformer (CT).

Scope of Tests

Tested to AS2081.3:2002 standards for earth-fault devices. Tests were applied to both the earth-fault and NER monitor circuits.

Applied Standards

- IEC 61000-4-2: Electrostatic Discharge Immunity.
- IEC 61000-4-4: Electrical Fast Transient/Burst Immunity.
- IEC 61000-4-5: Surge Immunity.
- IEC 61000-4-8: Power Frequency Magnetic Field Immunity.
- IEC 61000-4-9: Pulsed Magnetic Field Immunity.
- AS 60068-38-2003: Composite Temperature/Humidity Cyclic Test.
- ANSI C37.90.1-1989: Oscillatory and Fast Transient Immunity.
- EN 55011:1989: RF Emissions.
- CSA and UL: Applicable Tests.