

STANDARDS ASSOCIATION
OF AUSTRALIA

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Memo. by Susan Ferguson To. Ron Box
SAA SYDNEY

Re Letter. of date.

Have enclosed copy of AS 3110 -
1980 outlining an error
in the "scope" section
of the standard

Susan

SYDNEY LIBRARY

Dear Susan,

Many thanks for pointing this
out - you are quite correct. It is
interesting to note that this error
is also in AS 3110-1974 (I don't
go back any further in my files), so
you are the only specialist we in
11 years.

However, there is no need to worry
for much longer as the standard
is to be withdrawn in the very

A31 near future

Regards Ron

AS 3110

WITHDRAWN

TAS Oct 1985

AS 3110—1980
UDC 621.31:621.316.57

Australian Standard 3110—1980

APPROVAL AND TEST SPECIFICATION FOR EARTH-LEAKAGE CIRCUIT-BREAKERS



PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA
STANDARDS HOUSE, 80-ARTHUR ST, NORTH SYDNEY, N.S.W.



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THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL organizations or departments were officially represented on the committee entrusted with the preparation of this specification:

- Australian Chamber of Commerce**
- Australian Electrical and Electronics Manufacturers Association**
- Confederation of Australian Industry**
- Department of Housing and Construction**
- Electrical Apparatus Approvals Authorities**
- Electrical Contractors Association of Australia**
- Electrical Testing Laboratories**
- Electricity Supply Association of Australia**
- Electronic Importers Association**

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I think this should
read Clause 7.2,
as 6.2 doesn't
exist and 7.2
covers the leakage
trip operation.



Australian Standard 3110—1980

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Australian Standard
APPROVAL AND TEST SPECIFICATION
FOR
EARTH-LEAKAGE CIRCUIT-BREAKERS

This specification shall be read in conjunction with AS C100. (See also Clause 3, below.)

1 SCOPE. This specification applies to earth-leakage circuit-breakers (as defined in Clause 2) for use on both direct and alternating current systems at low or medium voltages.

NOTE: This specification refers essentially to earth-leakage circuit-breakers without over-current devices. Those circuit-breakers fitted with overcurrent devices in addition, must also comply with the requirements of AS 3111.

An earth-leakage circuit-breaker intended for use in a direct current circuit will be deemed suitable for such use if the earth-leakage tripping coil opens the circuit-breaker under the conditions set out in Clause 6.2 when d.c. voltages are applied, and if it otherwise complies with the requirements of this specification.

NOTE: Where voltages and currents are referred to in this specification they are to be taken to relate to alternating currents except where otherwise stated, and values quoted are to be taken to be r.m.s. values.

2 DEFINITION. For the purpose of this specification the following definition applies:

2.1 Earth-leakage circuit-breaker—a switch suitable for opening a circuit automatically when a predetermined difference of potential is applied between a terminal of the switch which is intended for connection to the metal casings, frames, and conduits of an electrical installation, and a second terminal of the switch which is intended for connection to the general mass of earth.

The term 'circuit-breaker' as used in this specification shall be taken to mean 'earth-leakage circuit-breaker'.

3 COMPLIANCE WITH SPECIFICATIONS.

3.1 General Requirements of AS C100. This specification shall be read in conjunction with AS C100, and the appropriate provisions of AS C100 shall apply to the construction of the earth-leakage circuit-breaker and the insulation and/or safeguarding of parts which normally carry current.

3.2 Specific Requirements of this Specification. An earth-leakage circuit-breaker shall be deemed to comply with this specification only if it complies with all the requirements of this specification and satisfactorily passes the tests specified herein.