

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Amendment No. 1
to
AS/NZS 3111:2009
Approval and test specification—Miniature overcurrent circuit-breakers

REVISED TEXT

The 2009 edition of AS/NZS 3111 is amended as follows; the amendments should be inserted in the appropriate places.

SUMMARY: This Amendment applies to the Clauses 2.2 and 6.11.

Published on 5 October 2011.

Approved for publication in New Zealand on behalf of the Standards Council of New Zealand on 13 September 2011.

AMDT
No. 1
OCT
2011

Clause 2.2

Delete Clause 2.2 and *replace* with the following:

2.2 Compliance with this Standard and deemed alternative standards**2.2.1 This Standard**

A circuit-breaker shall be deemed to comply with this Standard only if it complies with all the requirements of this Standard and passes the tests specified herein.

2.2.2 Deemed alternatives

MCBs complying with the following Standards are deemed to comply with the requirements of this Standard:

AS/NZS

60898 Electrical accessories—Circuit-breakers for overcurrent protection for household and similar installations

60898.1 Part 1: Circuit-breakers for a.c. operation, (IEC 60898-1, Ed. 1.2 (2003) MOD)

60898.2 Part 2: Circuit-breakers for a.c. and d.c. operation (IEC 60898-2, Ed. 1.1 (2003) MOD)

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Clause 6.11

Delete Clause 6.11, including Notes, and *replace* with the following:

6.11 Spacing between terminals intended for field wiring

The spacing between terminal screws or clamping devices of opposite polarity intended for field wiring, and terminals intended for field wiring and earthed metal, shall be not less than 12 mm unless—

- (a) there is an interposing barrier of adequate mechanical strength; and
- (b) such a barrier extends at least 1.5 mm beyond the face of the terminal screws or clamping devices;

in which case the spacing shall be not less than 9 mm.

The spacing shall be measured as follows:

- (i) By the same technique as for clearances, i.e. string line, except that the measurement will be made only in the plane in which a tool would be used to connect and disconnect conductors.
- (ii) With the circuit-breaker mounted in accordance with the manufacturer's instructions and connected with cables having a cross-sectional area as determined from Table 8.12, 'Standard cross-sections of copper conductors corresponding to the rated thermal currents' in AS/NZS 3100:2009, or with busbar as specified by the manufacturer.

NOTES:

- 1 Refer to AS/NZS 3100:2009, Annex C, 'Measurement of creepage distances and clearances' for guidance on the measurement of clearance.
 - 2 Refer to Figure 1 for guidance on the use of a barrier to meet the requirements enabling a spacing of 9 mm to be used.
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