

AS/NZS 3190:2016

Approval and test specification — Residual current devices (current operated earth-leakage devices)

Amendment No. 2

Revised text amendment

Publishing and Approval Dates

Council of Standards Australia Approval: 27 February 2024

New Zealand Standards Approval Board Approval: 7 February 2024

Published: 12 April 2024

Summary

This Amendment applies to the following elements:

- Preface
- Clauses 1.2, 3.2.2.1, 3.3, 5.7.6.2, 7.1.1, 8.1.1, 8.8.2, 8.8.4, 8.9.1, 8.11.2, 8.11.3, 8.12.1, 8.12.2, 8.12.3, 8.13, 8.14.1, 8.14.2, 8.16.1, 8.17 and 8.19
- Figure 6
- Table 6

Amendment Details

AS/NZS 3190:2016 is amended as follows. The amendments should be inserted in the locations as instructed.

Element	Instruction / New text
Preface	Delete fourth paragraph, which starts “AS/NZS 3190:2016 will remain current ...”.
Cl 1.2	In the reference list, <i>delete</i> AS/NZS 3197.
Cl 3.2.2.1	Delete last sentence and <i>replace</i> with “PSOAs and PRCDs that incorporate either RCCBs compliant with AS/NZS 61008.1 or RCBOs compliant with AS/NZS 61009.1 shall also meet the relevant PSOA/PRCD sections of this Standard.”
Cl 3.3	Second paragraph, <i>delete</i> “AS/NZS 3197” and <i>replace</i> with “AS/NZS 3105”.
Cl 5.7.6.2	First paragraph, <i>delete</i> “1.1 × rated voltage” and <i>replace</i> with “264 V for single phase devices and 456.5 V for multi-phase devices”.
Cl 7.1.1	Delete list item (b) and <i>replace</i> with the following: (b) Rated voltage—The marking of the rated voltage for single-phase RCDs shall be 230 V or 240 V or 230/240 V. The marking of the rated voltage for multi-phase RCDs shall be 400 V or 415 V or 400/415 V.
Cl 8.1.1	Delete second paragraph.
Cl 8.8.2	Delete list items (a) and (b) and <i>replace</i> with the following: (a) Reduced voltage— (i) for single-phase RCDs, 80 % of 230 V = 184 V; and (ii) for multi-phase RCDs, 80 % of 400 V = 320 V.

Element	Instruction / New text
	(b) Increased voltage— (i) for single-phase RCDs, 110 % of 240 V = 264 V; and (ii) for multi-phase RCDs, 110 % of 415 V = 456.5 V.
CI 8.8.4	First paragraph, <i>delete</i> “rated voltage” and <i>replace</i> with “230 V for single phase devices and 400 V for multi-phase devices. The test shall be repeated at 240 V for single phase devices and 415 V for multi-phase devices”.
CI 8.9.1	Last sentence, <i>delete</i> “rated voltage” and <i>replace</i> with “230 V for single phase devices and 400 V for multi-phase devices”.
CI 8.11.2	First paragraph, first sentence, <i>delete</i> “rated voltage” and <i>replace</i> with “a test voltage of 230 V for single phase devices and 400 V for multi-phase devices”.
CI 8.11.3	First paragraph, first sentence, <i>delete</i> “rated voltage” and <i>replace</i> with “230 V for single phase devices and 400 V for multi-phase devices”.
CI 8.12.1	1 <i>Delete</i> “rated supply voltage of the RCD” and <i>replace</i> with “test voltage: 230 V for single phase devices and 400 V for multi-phase devices”. 2 In note, <i>delete</i> “and 240 V”.
Figure 6	<i>Delete</i> text “Rated voltage” and <i>replace</i> with “Test voltage”.
CI 8.12.2	First paragraph, first sentence, <i>delete</i> “rated voltage” and <i>replace</i> with “230 V for single phase devices and 400 V for multi-phase devices”.
Table 6	<i>Delete</i> the bottom row.
CI 8.12.3	Second sentence, <i>delete</i> “rated voltage” and <i>replace</i> with “230 V for single phase devices and 400 V for multi-phase devices”.
CI 8.13	Second sentence, <i>delete</i> “1.1 rated voltage” and <i>replace</i> with “264 V for single phase devices and 456.5 V for multi-phase devices”.
CI 8.14.1	First paragraph, first sentence, <i>delete</i> “rated voltage” and <i>replace</i> with “240 V for single phase devices and 415 V for multi-phase devices”.
CI 8.14.2	First paragraph, first sentence, <i>delete</i> “rated voltage” and <i>replace</i> with “240 V for single phase devices and 415 V for multi-phase devices”.
CI 8.16.1	First paragraph, second sentence, <i>delete</i> “rated voltage” and <i>replace</i> with “240 V for single phase devices and 415 V for multi-phase devices”.
CI 8.17	First sentence, <i>delete</i> “rated voltage” and <i>replace</i> with “230 V for single phase devices and 400 V for multi-phase devices”.
CI 8.19	1 First paragraph, second sentence, <i>delete</i> “1.1 times the voltage” and <i>replace</i> with “264 V for single phase devices and 456.5 V for multi-phase devices”. 2 Second paragraph, first sentence, <i>delete</i> “rated voltage” and <i>replace</i> with “240 V for single phase devices and 415 V for multi-phase devices”.