

Approval and test specification—Plugs and socket-outlets

Amendment No. 1

Revised text amendment

Publishing and Approval Dates

Council of Standards Australia Approval: 6 September 2021

New Zealand Standards Approval Board Approval: 1 September 2021

Published: 17 September 2021

Summary

This Amendment applies to the following elements:

- Preface
- Clauses 1.1, 1.2.2, 1.2.3, 1.4.15, 3.1.2, 3.8.2, 3.9, 3.9.1, 3.9.2, 3.14.2, 3.14.10.2, 3.14.12.1
- Appendices H and J

Amendment Details

AS/NZS 3112:2017 is amended as follows. The amendments should be inserted in the locations as instructed.

Element	Instruction/New text
Preface	<p>1 <i>Delete</i> the second paragraph and <i>replace</i> with the following: AS/NZS 3112:2017 in its unamended form will also remain current for 9 months from the date of publication of this document. After this time, it will be superseded by AS/NZS 3112:2017 incorporating Amendment 1. Regulatory authorities that reference this Standard in regulation may apply these requirements at a different time. Users of this Standard should consult with these authorities to confirm their requirements.</p> <p>2 Third paragraph, third line, <i>delete</i> 'plugs and socket-outlets' and <i>replace</i> with 'plugs, socket outlets or plug portions.'</p> <p>3 Fifth paragraph, second line, <i>delete</i> 'plugs and socket-outlets' and <i>replace</i> with 'plugs, socket outlets or plug portions,'.</p>
CI 1.1	<p><i>Delete</i> the first paragraph and <i>replace</i> with the following: This Standard specifies essential safety requirements for plugs and socket-outlets, as defined in Clause 1.4, plug portions, as defined in Paragraph J2, and equipment incorporating plug portions, intended for use at a rated voltage not exceeding 500 V and a rated current not exceeding 32 A for household or similar purposes.</p>
CI 1.2.2	<p>1 <i>Add</i> the following after the second paragraph: For extra low voltage plugs and socket-outlets, refer to Appendix E.</p> <p>2 <i>Delete</i> the last paragraph and <i>replace</i> with the following: For plug portions and equipment incorporating plug portions, refer to Appendix J.</p>
CI 1.2.3	<i>Delete</i> clause.
CI 1.4.15 (new)	<i>Add</i> the following:

Element	Instruction/New text
	1.4.15 Pitch diameter (PD)
	The simple effective diameter of screw thread, approximately halfway between the major and minor diameters.
CI 2.8.5	<i>Delete</i> the second sentence and <i>replace</i> with the following:
	The pitch diameter (PD) on the threaded retaining device shall be as shown in Figure H1 (d).
CI 2.13.1	<i>Delete</i> the second paragraph and <i>replace</i> with the following:
	The general test conditions described in AS/NZS 3100 shall be observed when carrying out the tests specified by this standard.
CI 3.1.2	<i>Delete</i> side bar and DOA text next to fourth, fifth and sixth paragraphs.
CI 3.6.5	<i>Delete</i> the clause and replace with the following:
	Where an IP-rated socket-outlet has an external thread, the dimensions of the thread shall comply with Appendix H. The pitch diameter (PD) on the socket shall be as shown in Figure H1 (b).
CI 3.8.2	<i>Delete</i> the last paragraph and <i>replace</i> with the following:
	For socket-outlets with covers that are to be—
	(a) removed (with or without the use of a tool) for adjustment of control settings as stated in manufacturer's instructions; or
	(b) removed for mounting of the socket-outlet, and that do not have visible indications of cover securing screws,
	this test shall be conducted with and without the cover in position.
CI 3.9	<i>Delete</i> the title and <i>replace</i> with the following:
	SOCKET-OUTLETS FOR WORKTOP INSTALLATION
CI 3.9.1	<i>Delete</i> the clause and <i>replace</i> with the following:
	Socket-outlets intended to be fixed in a worktop shall be arranged to prevent dust and water from accumulating in the socket-outlet.
	Conformance shall be checked by inspection.
CI 3.9.2	<i>Delete</i> paragraph (excluding Note) and <i>replace</i> with the following:
	Socket-outlets, intended to be fixed in location, in, on, under or behind a surface, that incorporate a supply flexible cord or an inlet plug shall comply with the requirements of AS/NZS 3105 notwithstanding the scope.
CI 3.14.1	<i>Delete</i> the second paragraph and replace with the following:
	The general test conditions described in AS/NZS 3100 shall be observed when carrying out the tests specified by this standard.
CI 3.14.2	<i>Delete</i> the third paragraph and <i>replace</i> with the following:
	For socket-outlets with covers that are to be—
	(a) removed (with or without the use of a tool) for adjustment of control settings as stated in manufacturer's instructions; or
	(b) removed for mounting of the socket-outlet, and that do not have visible indications of cover securing screws,
	this test shall be conducted with and without the cover in position.
CI 3.14.10.2	<i>Delete</i> the fourth paragraph and <i>replace</i> with the following:
	For socket-outlets with covers that are to be—
	(a) removed (with or without the use of a tool) for adjustment of control settings as stated in manufacturer's instructions; or
	(b) removed for mounting of the socket-outlet, and that do not have visible indications of cover securing screws,
	this test shall be conducted with and without the cover in position.
CI 3.14.12.1	<i>Add</i> the following after the existing paragraph:

Element	Instruction/New text
	<p>Faceplates that are assembled without the use of screws or rivets and are—</p> <ul style="list-style-type: none"><li data-bbox="403 322 1394 383">(a) to be removed (with or without the use of a tool) for adjustment of control settings as stated in manufacturer's instructions; or<li data-bbox="403 394 1394 454">(b) to be removed for mounting of the socket-outlet, and that do not have visible indications of cover securing screws, <p>the faceplate shall be removed and reinstalled 10 times prior to the tests of Clauses 3.14.12.2 to 3.14.12.6.</p>
Appendix H Figure H1	<i>Delete</i> figure and <i>replace</i> with the following [Illustrations (b), (d) amended]: