

Australian/New Zealand Standard™

**Approval and test specification—
Plugs, socket-outlets and couplers
for general industrial application**



S t a n d a r d s Australia



STANDARDS
NEW ZEALAND
Paekea Aotearoa

AS/NZS 3123:2000

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The following interests are represented on Committee EL/4:

Australasian Railway Association
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Canterbury Manufacturers Association, New Zealand
Consumer Electronic Suppliers Association
Electricity Supply Association of Australia
International Accreditation New Zealand
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/4, Electrical Accessories, to supersede AS/NZS 3123:1994.

This Standard is one of a series of approval and test specifications issued by Standards Australia and Standards New Zealand. These specifications are to be read in conjunction with AS/NZS 3100, *Approval and test specification—General requirements for electrical equipment*. The purpose of these specifications is to outline the conditions to be met to secure approval for the sale and use of electrical equipment. Only safety matters and related conditions are covered.

This Standard is based on the principles, but not the format, of the IEC 60309, *Plugs, socket-outlets and couplers for industrial purposes* series. In this Standard, only standardized Australian and New Zealand configurations for operation at 50 Hz are included. In this respect, the Standard differs significantly from the IEC 60309 series in that the configurations of IEC 60309-2 *Plugs, socket-outlets and couplers for industrial purposes Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories* are omitted.

Where there is a published Australian/New Zealand harmonized Standard referenced in this Standard, the designation of the New Zealand Standard is given in parenthesis following the designation of the Australian Standard.

While this Standard depicts only standardized Australian and New Zealand configurations, it can be applied to configurations and contact types other than those depicted herein, providing all appropriate requirements of this Standard are complied with.

In this Standard, the requirements proper appear in ‘roman’ type and the test requirements appear in ‘*italic*’ type. Explanatory matters are contained in notes to the clauses, in smaller size ‘roman’ type.

This Standard was revised to incorporate Amendment No. 1 to AS/NZS 3123:1994 and, in addition, to change requirements for—

- (a) permit designs complying with IEC 60309-1 (Clause 1.1);
- (b) letters and symbols to be used to identify rewirable terminals (Clause 7.5);
- (c) cables to be used for pull test (Table 6);
- (d) resistance to tracking (Clause 27.3); and
- (e) tolerances on dimensions in the Standard Sheets.

This Standard does not contain all the necessary conditions of a contract.

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