AS/NZS 3123:2005 (Incorporating Amendment No. 1)

Australian/New Zealand Standard™

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





AS/NZS 3123:2005

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-004, Electrical Accessories. It was approved on behalf of the Council of Standards Australia on 10 December 2004 and by the New Zealand Standards Approval Board on 17 December 2004. This Standard was published on 23 February 2005.

The following are represented on Committee EL-004:

Australasian Railway Association Australian Chamber of Commerce and Industry Australian Electrical and Electronic Manufacturers Association Canterbury Manufacturers Association, New Zealand Consumer Electronic Suppliers Association Consumers' Federation of Australia Electrical Regulatory Authorities Council Ministry of Economic Development (New Zealand) National Electrical and Communications Association Plastics Industry Pipe Association of Australia Telarc New Zealand Testing Interests (Australia)

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This Standard was issued in draft form for comment as DR 04378.

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-004, Electrical Accessories, to supersede AS/NZS 3123:2000.

This Standard incorporates Amendment No. 1 (July 2020). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

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.

AS/NZS 3123:2005 will remain current for 24 months from the date of publication of this document. After this time, it will be superseded by AS/NZS 3123:2005 incorporating Amendment No. 1.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.

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.

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.

The essential safety requirements in AS/NZS 3820 that could be applicable to plugs, socketoutlets and couplers for general industrial application are covered by this Standard taken in conjunction with any other relevant requirements affecting safety.

This Standard was revised to introduce the following technical and editorial changes-

- (a) changes to fire test requirements; and
- (b) updating of cross-references to referred Standards and other minor editorial changes.

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 does not contain all the necessary conditions of a contract.

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