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POWER REACTORS AND EARTHING TRANSFORMERS



STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter



THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL ORGANIZATIONS were officially represented on the committee entrusted with the preparation of this standard :

Associated Chambers of Manufactures of Australia
Australia and New Zealand Railways Conferences
Australian-British Trade Association
Electricity Supply Association of Australia
Electricity Supply Engineers Association of N.S.W.
The Institution of Engineers, Australia
Mining interests

This standard prepared by EL/8, Static Electrical Machinery, was approved on behalf of the Council of the Standards Association of Australia on 12 November 1970.

In order to keep abreast with progress in the industries concerned, Australian standards are subject to periodical review. Suggestions for improvements, addressed to the head office of the Association, will be welcomed.

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AUSTRALIAN STANDARD SPECIFICATION

POWER REACTORS AND EARTHING TRANSFORMERS

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PREFACE

The preparation of this standard was undertaken by a subcommittee of the Association's Committee on Static Electrical Machinery.

The standard substantially follows IEC Publication 289—Reactors, both in technical content and expression, and acknowledgment is made of the assistance received therefrom. The IEC document was examined in the light of developing Australian practice and was amended by the omission of certain requirements not considered to be applicable, by additions considered necessary in Australian practice, by editorial actions not involving change in basic meanings and by re-numbering and re-arrangement to conform with the format of Australian standards.

At the request of the Electricity Authority of New South Wales, this standard also includes detailed requirements for earth current-limiting zero sequence reactors which may be connected in series with three-phase high-voltage supplies to underground mines.

This standard should be read in conjunction with AS C61-1970, Power Transformers; reference may also be necessary to AS C1, Standard Voltages and Frequency for A.C. Transmission and Distribution Systems.

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