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POWER TRANSFORMERS Part 4—TAPPINGS AND CONNECTIONS

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- Australian-British Trade Association
- Australian Electrical and Electronic Manufacturers Association
- Confederation of Australian Industry
- Defence Standardization Committee
- Electrical testing laboratories
- Electricity Supply Association of Australia
- Electricity Supply Engineers Association of N.S.W.
- Institution of Engineers, Australia
- Railways of Australia Committee

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AUSTRALIAN STANDARD

POWER TRANSFORMERS
Part 4
TAPPINGS AND CONNECTIONS

AS 2374, Part 4—1982

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PREFACE

This standard was prepared by the Association's Committee on Static Electrical Machinery. It is based closely on IEC 76—4, Power Transformers, Part 4: Tappings and Connections and is Part 4 of a six-part standard that supersedes AS C61—1970, Power Transformers.

The other Parts of the standard are—

- Part 1—General Requirements
- Part 2—Temperature Rise
- Part 3—Insulation Levels and Dielectric Tests
- Part 5—Ability to Withstand Short Circuit
- Part 6—Sound Levels

Where the draft differs from IEC 76—4 and changes have been made to meet Australian requirements, these changes are indicated by a rule in the margin.

This standard requires reference to the other parts of AS 2374 as shown above.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard for POWER TRANSFORMERS

PART 4: TAPPINGS AND CONNECTIONS

SECTION 1. SCOPE AND DEFINITIONS

1.1 SCOPE. This standard specifies requirements for tappings and connections of transformers having only one tapped winding. For autotransformers, this means that the number of turns per phase in either the high-voltage (HV) or the low-voltage (LV) winding is constant.

NOTE: Autotransformers with tapped neutrals are subject to agreement.

Tap changing involving a phase displacement in the voltage is not taken into account.

1.2 DEFINITIONS. For the purpose of this standard the definitions given in AS 2374, Part 1, apply.

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