

AS 1013—1971

Australian Standard[®]

**SHUNT CAPACITORS
FOR CONNECTION TO
POWER FREQUENCY SYSTEMS**

METRIC UNITS

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

The standard, prepared by Committee EL/8, Static Electrical Machinery, was approved on behalf of the Council of the Standards Association of Australia on 7 June 1971.

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This standard was issued in draft form for public review as Doc. 1624.

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First published 1971

PUBLISHED BY STANDARDS AUSTRALIA
(STANDARDS ASSOCIATION OF AUSTRALIA)
1 THE CRESCENT, HOMEBUSH, NSW 2140

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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 the International Electrotechnical Commission publication IEC 70 (1967) Power Capacitors, both in technical content and expression. Particular account was taken of American National Standard ANSIC55.1—1968, Shunt Capacitors, in respect of the probability of container rupture due to internal arcing. Acknowledgment is made of the assistance received from these sources.

Appendices give guidance in regard to the application, operation and protection of the capacitor units and banks.

In the application of this standard, reference may be necessary to the following Australian standards:

- AS C1 Standard Voltages and Frequency for A.C. Transmission and Distribution Systems
- AS CC1 SAA Wiring Rules
- AS C325 High Voltage Bushings
- AS C67, Part 3 Indoor and Outdoor Substation Insulators (in course of preparation)
- AS C328 High Voltage Testing Techniques
- AS C337 Insulation Coordination
- AS C338 Surge Diverters.
- AS 1018 Recommendations for Partial Discharge Measurements
- AS 1033 High-voltage Expulsion and Similar Fuses
- AS 1034 High-voltage Current-limiting Fuses
- AS C135 Ap. Electric Fuses

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