

AS 2024—1991

Australian Standard[®]

**High voltage a.c. switchgear and
controlgear—Switch—fuse
combinations**

This Australian Standard was prepared by Committee EL/7, Power Switchgear. It was approved on behalf of the Council of Standards Australia on 20 August 1990 and published on 28 March 1991.

The following interests are represented on Committee EL/7:

Australian–British Chamber of Commerce
Australian Electrical and Electronic Manufacturers Association
Confederation of Australian Industry
Electricity Supply Association of Australia
Institution of Engineers, Australia
Railways of Australia Committee
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PREFACE

This Standard was prepared by the Standards Australia Committee on Power Switchgear to supersede AS 2024–1977, *High voltage fuse/switch combinations and fuse/circuit-breaker combinations*.

This Standard covers only switch–fuse combinations in which fuse strikers cause the switch to open when a fuse operates.

It does not cover fuse circuit–breaker combinations.

This Standard is based on IEC document 17A(Central Office)209, Draft–Revision of IEC Publication 420: *High–voltage alternating current switch–fuse combinations*, but incorporates significant editorial and technical amendments including the specification of much higher prospective TRV for Test Duties 4 and 5 and the deletion of restrictions on the selection of fuse–links in the IEC Standard to enable the interruption of transformer currents due to a short–circuit on the secondary.

Where this Standard deviates technically from IEC document 17A (Central Office)209 by way of different or additional requirements a rule is drawn in the margin against the clause or table, or part thereof, affected. These deviations are summarized in Appendix C.

It is intended to be read in conjunction with AS 2650, *High voltage A.C. switchgear and controlgear– Common requirements*, and the clause numbering herein follows that of AS 2650.

This Standard makes reference to the application guide in IEC 282–1 and to IEC 787. However, after publication, reference should be made instead to AS 1033.3, *High voltage fuses (for rated voltages exceeding 1000 V) Part 3: Application guide*.

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