

AS 3865—1991

(Incorporating Amendment No. 1)

Australian Standard[®]

Calculation of the effects of short-circuit currents

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PREFACE

This Standard was prepared by the Standards Australia Committee on power switchgear, for the calculation of the effects of short-circuit currents in both high and low voltage equipment, busbar systems and assemblies.

This Standard incorporates Amendment No. 1 (July 2003). 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.

It is based on IEC 865 (1986), *Calculation of the effects of short-circuit currents*, and on IEC document 73(Secretariat)30, *Revision of IEC Publication 865* (1986). Acknowledgment is made of the assistance received from these sources.

This Standard is set out in a different format from that of IEC 865, with Sections 1 and 4 added.

This Standard is not technically equivalent to IEC 865, as Section 3 has been substantially amended to cover the thermal effects of short-circuit currents on the basis of the joule integral (I^2t).

It is intended to be used in conjunction with AS 3851, *The calculation of short-circuit currents in three-phase a.c. systems*.

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