Australian/New Zealand Standard™

Power transformers

Part 5: Ability to withstand short circuit (IEC 60076-5, Ed. 3.0 (2006) MOD)





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AS/NZS 60076.5:2012

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Australian Railway Association Australian Chamber of Commerce and Industry Australian Industry Group Australian Greenhouse Office, Department of the Environmental and Heritage Australian Institute of Petroleum Department of Climate Change and Energy Efficiency Electricity Engineers Association, New Zealand Energy Efficiency and Conservation Authority of New Zealand Energy Networks Association EE-Oz Training Standards Engineers Australia

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Australian/New Zealand Standard[™]

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Part 5: Ability to withstand short circuit (IEC 60076-5, Ed. 3.0 (2006) MOD)

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-008, Power Transformers to supersede AS 2374.5—1982, *Power transformers*, Part 5: *Ability to withstand short-circuit*.

The objective of this Standard is to provide designers, manufacturers, test laboratories and purchasers with methods of assessing the ability of a power transformer to sustain external short circuits.

This Standard contains different test methods to those in AS 2374.5—1982.

This Standard is an adoption with national modifications and has been reproduced from IEC 60076-5, Ed.3.0 (2006), *Power transformers—Part* 5: *Ability to withstand short circuit* and has been varied as indicated in Appendix ZZ to take account of Australian and New Zealand conditions.

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number appears on the cover and title page while the International Standard number appears only on the cover.
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The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

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60076-8	Part 8: Application guide			
60076-11	Part 11: Dry-type transformers	AS 60076.11	Part 11: Dry-type transformers	

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