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AS/NZS 60076.5:2012

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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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
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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:

Reference to International Standard		*Australian/New Zealand Standard*	
IEC		AS	
60076	Power transformers	60076	Power transformers
60076-1	Part 1: General	60076.1	Part 1: General
		AS/NZS	
60076-3	Part 3: Insulation levels, dielectric tests and external clearances in air	60076.3	Part 3: Insulation levels, dielectric tests and external clearances in air (IEC 60076-3, Ed 2 (2000) MOD)
60076-8	Part 8: Application guide	—	
		AS	
60076-11	Part 11: Dry-type transformers	60076.11	Part 11: Dry-type transformers

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