

AS 1028—1992  
IEC 289:1988

Australian Standard®

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**Power reactors and earthing  
transformers**

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[IEC title: Reactors]

This Australian Standard was prepared by Committee EL/8, Power Transformers. It was approved on behalf of the Council of Standards Australia on 18 October 1991 and published on 17 January 1992.

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Australian Electrical and Electronic Manufacturers Association  
Confederation of Australian Industry  
Electrical testing laboratories  
Electricity Supply Association of Australia  
Electricity Supply Engineers Association of New South Wales  
Institute of Technology, S.A.  
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## PREFACE

This Standard was prepared by the Standards Australia Committee on Power Transformers to supersede AS 1028—1970. It is identical with and has been reproduced from IEC 289:1988, *Reactors*. Variations to the IEC Publication required to suit Australian requirements are indicated by marginal bars and detailed in Australian Appendix A. Details concerning particular requirements for earth current-limiting neutral displacement reactors are given in Australian Appendix B.

This Standard should be read in conjunction with AS 2374, *Power transformers*.

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<i>Reference to International Standard</i>		<i>Australian Standard</i>	
IEC		AS	
60	High-voltage test techniques	1931	High voltage testing techniques
60-2	Part 2: Test procedures	1931.1	Part 1: General definitions, test requirements, test procedures and measuring devices
70	Power capacitors	1013	Shunt capacitors for connection to power frequency systems
76	Power transformers	2374	Power transformers
76-1	Part 1: General	2374.1	Part 1: General requirements
76-2	Part 2: Temperature rise	2374.2	Part 2: Temperature rise
76-3	Part 3: Insulation levels and dielectric tests	2374.3	Part 3: Insulation levels and dielectric tests
76-5	Part 5: Ability to withstand short circuit	2374.5	Part 5: Ability to withstand short-circuit
146	Semiconductor convertors	1955	Semiconductor convertors
551	Determination of transformer and reactor sound levels	2374 2374.6	Power transformers Part 6: Sound levels
722	Guide to the lightning impulse and switching impulse testing of power transformers and reactors	2732	Guide to the lightning impulse and switching impulse testing of power transformers and reactors
726	Dry-type power transformers	2735	Dry-type power transformers
ISO			
3	Preferred number—Series of preferred numbers	2752	Preferred numbers and their use

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## CONTENTS

	<i>Page</i>
SECTION ONE –GENERAL	
Clause	
1. Scope .....	5
2. Definitions .....	5
SECTION TWO – SHUNT REACTORS	
3. General .....	7
4. Definitions .....	8
5. Rating .....	9
6. Insulation level .....	9
7. Rating plates .....	9
8. Tests .....	10
9. Tolerances .....	14
SECTION THREE – CURRENT-LIMITING REACTORS AND NEUTRAL-EARTHING REACTORS	
10. General .....	14
11. Definitions .....	15
12. Rating .....	16
13. Insulation level .....	16
14. Ability to withstand short–time current .....	17
15. Temperature rise .....	17
16. Rating plates .....	17
17. Tests .....	18
18. Tolerances .....	21
SECTION FOUR – DAMPING REACTORS	
19. General .....	22
20. Definitions .....	22
21. Rating .....	22
22. Insulation level .....	23
23. Temperature rise .....	23
24. Rating plates .....	23
25. Tests .....	23
26. Tolerances .....	24
SECTION FIVE – TUNING (FILTER) REACTORS	
27. General .....	24
28. Definitions .....	25
29. Rating .....	26
30. Rating plates .....	26
31. Tests .....	27
32. Tolerances .....	28
SECTION SIX – EARTHING TRANSFORMERS (NEUTRAL COUPLERS)	
33. Introduction .....	28
34. General .....	28
35. Definitions .....	29
36. Rating .....	29
37. Ability to withstand the rated neutral current .....	30
38. Temperature rise .....	30
39. Insulation level .....	30
40. Rating plates .....	31
41. Tests .....	31
42. Tolerances .....	32

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