

Australian/New Zealand Standard™

**Approval and test specification—
Cord-line switches**

AS/NZS 3127:2005

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-004, Electrical Accessories. It was approved on behalf of the Council of Standards Australia on 10 December 2004 and on behalf of the Council of Standards New Zealand on 17 December 2004. This Standard was published on 18 February 2005.

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Australian Electrical and Electronic Manufacturers Association
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-004, Electrical Accessories to supersede AS/NZS 3127:2002 on publication.

The objective of this Standard is to provide Australian and New Zealand electrical industries including manufacturers, test laboratories and regulators with requirements and test methods for cord-line switches.

This Standard is one of a series of approval and test specifications to be read in conjunction with AS/NZS 3100, *Approval and test specification—General requirements for electrical equipment*. The purpose of this series is to outline conditions which must be met to secure approval for the sale and use of electrical equipment. Only safety matters and related conditions are covered.

The essential safety requirements in AS/NZS 3820 that could be applicable to cord-line switches are covered by this Standard taken in conjunction with any other relevant requirements affecting safety.

This Standard was revised to incorporate the following technical and editorial changes:

- (a) Requirements for double-pole switches.
- (b) Requirements for single-pole switches to operate in the active conductor.
- (c) Changes to fire test requirements.
- (d) Updating of cross-references to referred Standards and other minor editorial changes.

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

This Standard does not purport to include all the necessary provisions of a contract.

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1 SCOPE AND REFERENCED DOCUMENTS**1.1 Scope**

This Standard applies to cord-line switches for use at voltages not exceeding 250 V to earth. It does not apply to switches such as pendant switches or bell pushes or switches connected at the end of flexible cords.

1.2 Referenced documents

The following documents are referred to in this Standard:

IEC

- 61058 Switches for appliances
- 61058-1 Part 1: General requirements
- 61058-2-1 Part 2-1: Particular requirements for cord switches

APPROVAL AND TEST SPECIFICATIONS

AS/NZS

- 3100 General requirements for electrical equipment
- 3112 Plugs and socket-outlets
- 3121 Insulating mouldings
- 3133 Air break switches

2 DEFINITIONS

For the purpose of this Standard the following definitions apply:

2.1 Cord-line switch

A switch intended for connection in a flexible cord including switches intended to control current or temperature of equipment.

For the purpose of this Standard a cord-line switch is referred to as a switch.

2.2 Integrally moulded cord-line switch

A switch constructed so that its flexible cord is moulded to the switch by Type Z attachment.

3 COMPLIANCE WITH SPECIFICATIONS**3.1 General requirements of AS/NZS 3100**

This Standard shall be read in conjunction with AS/NZS 3100, and the appropriate requirements of AS/NZS 3100 shall apply to the construction of the switch and its insulation and the safeguarding of parts which normally carry current.

3.2 Specific requirements of this Standard

A switch shall be deemed to comply with this Standard only if it complies with all the requirements of this Standard and passes the tests specified herein.