

3182-1979

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SUPERSEDED BY AS 3182-1982

Electrical

AS 3182-1979
UDC 621.31:621.565.003.2

Australian Standard 3182-1979

APPROVAL AND TEST SPECIFICATION FOR REFRIGERATED FOOD COMMERCIAL CABINETS



**PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA
STANDARDS HOUSE, 80 ARTHUR ST. NORTH SYDNEY, N.S.W.**

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THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL organizations or departments were officially represented on the committee entrusted with the preparation of this specification.

Australian Chamber of Commerce
Australian Electrical and Electronic Manufacturers Association
Confederation of Australian Industry
Electrical Apparatus Approvals Authorities
Electrical Contractors Association of Australia
Electrical Testing Laboratories
Electricity Supply Association of Australia
Electronic Importers Association

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First published (as AS C182)	1970
Revised and issued as AS 3182	1979

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ISBN 0 7262 1766 2

PREFACE

This revised specification, prepared by Committee EL/2, Electrical Approvals Standards, was approved on behalf of the Council of the Standards Association of Australia on 25 July 1979, and was published on 1 November 1979.

It is one of a series of approval and test specifications issued by the Association under Part 2 of the SAA Wiring Rules. These specifications are accompanied by a general specification AS C100, containing definitions and general requirements for electrical materials and equipment. The purpose of these specifications is to outline conditions which must be met to secure approval for the sale and use of electrical equipment in Australia. Only safety matters and related conditions are covered.

The purpose of the revision is to express the requirements in metric units having regard to Australian Government legislation under the Metric Conversion Act, 1979, which has the objective of the progressive adoption of such units. The '3000' series of numbers has been allocated for new and revised SAA approval and test specifications expressed in metric units, the letter classification 'C' being dropped; thus this specification which was numbered AS C182 in the imperial unit series becomes AS 3182 in the metric series.

It should be noted that the metric values herein are a 'soft' conversion, i.e. a direct conversion from imperial to metric units, rounded off as was considered appropriate. No attempt has been made to revise established criteria; however, various items have been updated in line with current drafting practice.

This specification supersedes AS C182—1970 from date of publication.

The Association desires to call attention to the fact that this specification does not purport to include all the necessary provisions of a contract.

This specification requires reference to the following Australian standard approval and test specifications:

- AS 3121 Insulating Mouldings
- AS 3133 Air Break Switches
- AS 3140 Edison Screw Lampholders
- AS 3145 Radio Interference Suppression Devices
- AS 3151 Thermostats and Energy Regulators
- AS 3174 Domestic Electric Refrigerators and Freezers
- AS 3181 Electric Flexible Cords
- AS C100 Definitions and General Requirements for Electrical Materials and Equipment
- AS C109 Appliance Plugs and Appliance Inlet Sockets
- AS C112 Plugs and Plug Sockets

In addition, reference to other approval and test specifications may be required for approval of particular components incorporated in refrigerated food commercial cabinets (see Clause 3.3).

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard APPROVAL AND TEST SPECIFICATION FOR REFRIGERATED FOOD COMMERCIAL CABINETS

This specification shall be read in conjunction with AS C100, Approval and Test Specification for Definitions and General Requirements for Electrical Materials and Equipment. (See also Clause 3 below.)

1 SCOPE. This specification applies to refrigerated food commercial cabinets designed for operation at low or medium voltage. The cabinets may either be fixed in position or be capable of being moved from place to place.

The specification applies to cabinets with a self-contained refrigerating unit permanently fixed or readily removable, and to cabinets with refrigerating units which are remote from the cabinet. It does not apply to appliances covered by AS 3174, or to coolrooms of the walk-in type.

2 DEFINITIONS. For the purpose of this specification the following definitions apply:

2.1 Refrigerated food commercial cabinet—an assembly consisting of a thermally insulated cabinet intended for the preservation and merchandising of foodstuffs, and a refrigerating unit, which may be either incorporated in or remote from the cabinet, and which operates on the vapour compression principle and is arranged to extract heat from within the cabinet in order to provide temperatures below 0°C, or above freezing point.

NOTE: The 'refrigerated food commercial cabinet' is referred to in this specification as the 'cabinet'.

2.2 Closed commercial cabinet—a cabinet with the means of access at the top, front or rear and intended to be kept closed in normal use. Transparent panel or panels may or may not be fitted in the door, lid or wall to permit view of the products for display.

2.3 Open commercial cabinet—a cabinet normally with open top with or without transparent panel or panels to permit view of the products for display.

3 COMPLIANCE WITH SPECIFICATIONS.

3.1 General Requirements of AS C100. This specification shall be read in conjunction with AS C100 and the appropriate provisions of AS C100 shall apply to the design and construction of cabinets covered by this specification.