

^{Sup.}
SUPERSEDED BY

AS 3150-1982

0-1978

AS 3150-1978
UDC 621.3.015.5:648.7

Australian Standard 3150-1978

APPROVAL AND TEST SPECIFICATION FOR INSECT ELECTROCUTORS



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

Incorporated by Royal Charter



b

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 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

First published (as AS C150)	1968
Revised	1971
Revised and issued as AS 3150	1978

©Copyright — STANDARDS ASSOCIATION OF AUSTRALIA 1978
Users of standards are reminded that copyright subsists in all SAA publications. No part of this publication may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing of the Standards Association of Australia.

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 29 May 1978, and was published on 1 August 1978.

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, 1970, 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 had been numbered AS C150—1968 in the imperial unit series becomes AS 3150—1978 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 C150—1968 from date of publication.

In order to keep abreast of progress in the industries concerned, the publications of the Standards Association of Australia are subject to periodical review. Suggestions for improvement, addressed to the head office of the Association, P.O. Box 458, North Sydney, N.S.W., 2060, will be welcomed.

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 and Approval and Test Specifications:

AS C100 Definitions and General Requirements for Electrical Materials and Equipment

AS C168 Fluorescent Lamp Ballasts

AS 1939 Classification of Degrees of Protection Provided by Enclosures for Electrical Equipment

SA 3133 Air Break Switches

AS 3191 Electric Flexible Cords

STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

APPROVAL AND TEST SPECIFICATION FOR INSECT ELECTROCUTORS

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

1 SCOPE. This specification applies to insect electrocutors, suitable for connection to low voltage supply and intended to provide a secondary high voltage for the destruction of insects.

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

2.1 Insect electrocutor—an appliance designed to destroy insects by means of a high voltage discharge.

2.2 Grid—the component of the insect electrocutor which, under operating conditions, has a high voltage applied to it.

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 construction of the insect electrocutor and the insulation and safeguarding of parts which normally carry current.

3.2 Specific Requirements of this Specification. An insect electrocutor shall be deemed to comply with this specification only if it complies with all the requirements of this specification and passes the tests specified herein.

3.3 Requirements of Other Specifications. Components incorporated in an insect electrocutor which are depended upon for safety shall comply with the appropriate requirements of any relevant approval and test specification unless such requirements are varied herein.

4 SECONDARY VOLTAGE AND CURRENT.

4.1 Voltage. The insect electrocutor shall not have a secondary voltage in excess of 7000 V peak, when measured in accordance with Clause 14.11.

4.2 Current. The insect electrocutor shall not have a secondary current in excess of 30 mA r.m.s, when measured in accordance with Clause 14.14.

5 ENCLOSURE. The enclosure of the insect electrocutor shall comply with the following requirements:

(a) It shall be of non-ignitable material of adequate mechanical strength.