Australian Standard®

Electrical installations—Marinas and pleasure craft at low voltage

This Australian Standard was prepared by Committee EL/1, Wiring Rules. It was approved on behalf of the Council of Standards Australia on 19 April, 1993 and published on 14 June 1993.

The following interests are represented on Committee EL/1:

Association of Consulting Engineers, Australia

Australian Chamber of Commerce and Industry

Australian Consumers Association

Australian Electrical and Electronic Manufacturers Association

Department of Administrative Services

Electrical Contractors Associations of Australia

Electrical regulatory authorities

Electrical Trades Union of Australia

Electricity Supply Association of Australia

Institute of Electrical Inspectors

Institution of Engineers, Australia

Insurance Council of Australia

Telecom Australia

Additional interests participating in preparation of Standard:

Australasian Corrosion Association

Maritime Services Board of N.S.W

Review of Australian Standards. To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

Australian Standard®

Electrical installations—Marinas and pleasure craft at low voltage

First published as AS 3004—1979. Second edition 1983. Third edition 1993.

PREFACE

This Standard was prepared by the Standards Australia Committee on Wiring Rules to supersede AS 3004—1983, *Electrical installations—Marinas and pleasure craft at mains voltage*.

Major alterations to the previous edition are—

- (a) pleasure craft having an on-board generator are not covered by the scope; and
- (b) the use of limitation by circuit breaker to determine the maximum demand of mains and submains in a marina installation.

The superseded edition should continue to apply to existing installations (including refurbishment). This Standard should apply to all new installations, including additions to existing installations, from a date to be set by the regulatory authority.

© Copyright - STANDARDS AUSTRALIA

Users of Standards are reminded that copyright subsists in all Standards Australia publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia. Permission may be conditional on an appropriate royalty payment. Requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia.

Standards Australia will permit up to 10 percent of the technical content pages of a Standard to be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia.

Standards Australia will also permit the inclusion of its copyright material in computer software programs for no royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia at any time.

CONTENTS

3

		Page
SECTIO	ON 1 SCOPE AND GENERAL	
1.1	SCOPE	. 4
1.2	APPLICATION	
1.3	REFERENCED DOCUMENTS	
1.4	DEFINITIONS	
1.5	ENVIRONMENT	
SECTIO	ON 2 SHORE INSTALLATIONS	
2.1	METHOD OF SUPPLY	6
2.1	MAXIMUM DEMAND	
2.2	VOLTAGE DROP	
2.3	DISTRIBUTION BOARDS	
2.4	SOCKET-OUTLETS PROVIDED FOR CONNECTING	. 0
2.3	PLEASURE CRAFT	Q
2.6	ISOLATING TRANSFORMERS	
2.0	ISOLATING TRANSPORMERS	>
SECTIO	ON 3 PLEASURE CRAFT INSTALLATION	
3.1	MULTIPLE CONNECTIONS	
3.2	CONNECTING FACILITY ON A PLEASURE CRAFT	
3.3	CONTROL AND PROTECTION	
3.4	NUMBER OF POINTS	. 11
3.5	WIRING	. 11
3.6	EARTHING AND BONDING	. 12
3.7	ACCESSORIES	
3.8	APPLIANCES	. 13
3.9	EXTRA-LOW VOLTAGE TRANSFORMERS	. 14
3.10	ISOLATION OF LOW VOLTAGE WIRING	. 14
SECTIO	ON 4 CONNECTION OF A PLEASURE CRAFT TO A SHORE	
	INSTALLATION	
4.1	CORD EXTENSION SET	. 15
4.2	FLEXIBLE CORD OR CABLE	. 15
4.3	PROTECTION	
APPEN	DIX	
	BERTHING INSTRUCTIONS FOR CONNECTION TO THE	
	SHORE SUPPLY DIRECTLY OR THROUGH AN ON-BOARD	
	ISOLATING TRANSFORMER	17
В	BERTHING INSTRUCTIONS FOR A SHORE-MOUNTED,	. 1/
	TRANSFORMER-ISOLATED SUPPLY	18
	TYPICAL METHODS OF OBTAINING LOW VOLTAGE SHORE SUPPLY	
	CONNECTION TERMINOLOGY	
-		



The is a new provider i arenade and chare publication at the limit below	This is a free preview.	Purchase the	entire publication	at the link below:
--	-------------------------	--------------	--------------------	--------------------

Product Page

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation