IEC 62613-2

Edition 1.0 2011-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Plugs, socket-outlets and ship couplers for high-voltage shore connection systems (HVSC-SYSTEMS) – Part 2: Dimensional compatibility and interchangeability requirements for accessories to be used by various types of ships

Prises de courant et connecteurs de navires pour les systèmes haute tension de raccordement des navires à quai – Partie 2: Règles dimensionnelles de compatibilité et d'interchangeabilité pour les appareils destinés à être utilisés par divers types de navires

IEC Central Office
3, rue de Varembé
CH-1211 Geneva 20
Switzerland
Email: inmail@iec.ch
Web: www.iec.ch

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Email: csc@iec.ch
Tél.: +41 22 919 02 11
Fax: +41 22 919 03 00

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Part 2: Dimensional compatibility and interchangeability requirements for accessories to be used by various types of ships

FOREWORD

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International Standard IEC 62613-2 has been prepared by subcommittee 23H: Industrial plugs and socket-outlets, of IEC technical committee 23: Electrical accessories.

The text of this standard is based on the following documents:

FDIS	Report on voting
23H/268/FDIS	23H/271/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The present Part 2 of IEC 62613 shall be read in conjunction with IEC 62613-1:—, hereafter referred to as “Part 1”.

The clauses of these particular requirements supplement or modify the corresponding clauses in Part 1. Where the text of subsequent parts indicates an "addition" to or a "replacement" of the relevant requirement, test specification or explanation of Part 1, these changes are made to the relevant text of Part 1, which then becomes part of the standard. Where no change is necessary, the words "This clause of Part 1 is applicable" are used. New annexes are numbered starting AA, BB, etc.

A list of all the parts in the IEC 62613 series, under the general title *Plugs, socket-outlets and ship couplers for high-voltage shore connection systems (HVSC-systems)*, can be found on the IEC website.

In this standard, the following print types are used:

- requirements proper: in roman type;
- test specifications: *in italic type*;
- notes: in smaller roman type.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

International Standard series IEC 62613 has been primarily written to address the needs in terms of plugs, socket-outlets and ship couplers (ship connectors and ship inlets), herein referred to as “accessories”, of IEC/PAS 60092-510. The purpose of IEC/PAS 60092-510 is to define requirements that allow compliant ships to connect to compliant high-voltage shore power supplies through standardized shore-to-ship connection accessories.

Ships that do not require connecting with standardized high-voltage shore power supplies as above may use accessories that are not covered by the standard sheets of IEC 62613-2 but they may find it impossible to connect to these shore supplies.

Other low voltage plugs, socket-outlets, ship connectors and ship inlets used for the connection of certain ship types to low-voltage shore power supplies may be found in the IEC 60309 series.

The IEC 62613 series is divided into several parts:

– Part 1: *General requirements*, comprising clauses of a general character;

– Part 2: *Dimensional compatibility and interchangeability requirements for accessories to be used by various types of ships.*

These ships are described in IEC/PAS 60092-510.

PLUGS, SOCKET-OUTLETS AND SHIP COUPLERS FOR HIGH-VOLTAGE SHORE CONNECTION SYSTEMS (HVSC-SYSTEMS) –

Part 2: Dimensional compatibility and interchangeability requirements for accessories to be used by various types of ships

1 Scope

This clause of Part 1 is applicable.

2 Normative references

This clause of Part 1 is applicable.

3 Terms and definitions

This clause of Part 1 is applicable.

4 General

This clause of Part 1 is applicable.

5 Standard ratings

This clause of Part 1 is applicable.

6 Classification

This clause of Part 1 is applicable.

7 Marking

This clause of Part 1 is applicable.

8 Dimensions

8.1 *Replacement:*

Accessories shall comply with the appropriate standard sheets in the annexes.