



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 30845.2-2021

**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**

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents"

Drafting.

This document is the second part of GB/T 30845 "Plugs, sockets and marine couplers for high-voltage shore connection systems (HVSC systems)".

GB/T 30845 has released the following parts.

---Part 1. General requirements;

---Part 2. Dimensional compatibility and interchangeability requirements of different types of ship accessories.

This document replaces GB/T 30845.2-2014 "Plugs, sockets and marine couplers for high-voltage shore connection systems (HVSC systems)

Part 2. Dimensional compatibility and interchangeability requirements of different types of

marine accessories, compared with GB/T 30845.2-2014, except for structure

In addition to adjustments and editorial changes, the main technical changes are as follows.

---The description of the technical parameters of the product has been added to Chapter 1 (see Chapter 1);

--- Added "standard loose-leaf I 7.2kV350A three-phase electrical accessories with three control contacts" (see Appendix I);

--- Added "standard loose-leaf J 12kV500A three-phase electrical accessories with seven control contacts" (see Appendix J);

---Added the "Contact Arrangement Drawing" (see Appendix K).

This document uses the redrafting method to modify and adopt IEC 62613-2:2016 "Plugs and plugs for high-voltage shore connection systems (HVSC systems)

Seats and marine couplers. Part 2. Dimensional compatibility and interchangeability requirements for different types of marine accessories.

The technical differences between this document and IEC 62613-2:2016 and the reasons are as follows.

---Regarding normative reference documents, this document has made adjustments with technical differences to adapt to my country's technical conditions and adjustments.

The situation is collectively reflected in Chapter 2 "Normative Reference Documents", and the specific adjustments are as follows.

* Replace IEC 62613-1:2011 with GB/T 30845.1-2014, which is modified to adopt international standards.

--- In Chapter 1 "Scope", "This document specifies the plugs and sockets of high-voltage shore connection systems for different types of ships."

And the size requirements of marine couplers. This document applies to plugs, sockets and ships for high-voltage shore connection systems (HVSC systems).

Use a coupler" (see Chapter 1).

---In order to meet the coordination of the socket and the plug, the position and value of the "socket inner diameter" have been modified (see A.1, B.1, C.1).

---In order to meet the coordination of the marine connector and the marine input socket, the position and value of the "connector inner circle diameter" have been modified (see A.3, B.3, C.3).

---Added the normative Appendix K "Contact Arrangement Drawing" (see Appendix K).

The following editorial changes have been made to this document.

---In order to maintain the consistency of the marking method, refer to the standard leaf A of IEC 62613-2.2016, and the first socket of A.1 in Appendix A

In the figure, the label position of q has been corrected, and L(x3), Pil.(x2) marks have been added;

---In order to maintain the consistency of the marking method, refer to the standard leaf A of IEC 62613-2.2016, the section of the A.1 socket in Appendix A

L(x3), Pil.(x2) logos have been added to the view;

---In order to maintain the consistency of the marking method, refer to the standard leaf A of IEC 62613-2.2016, and refer to the A.1 socket of Appendix A.

The description of "L-phase pole contact" and "Pil. control contact" has been added to the number table;

---In order to maintain the consistency of the marking method, refer to the standard leaf A of IEC 62613-2.2016, and the first plug of A.2 in Appendix A

Add L(x3) and Pil.(x2) logos in the figure;

---In order to maintain the consistency of the marking method, refer to the standard leaf A of IEC 62613-2.2016, the section of the A.2 plug in Appendix A

L(x3), Pil.(x2) logos have been added to the view;

---In order to maintain the consistency of the marking method, refer to the standard leaf A of IEC 62613-2.2016, and refer to the A.2 plug of Appendix A.

The description of "L-phase pole contact" and "Pil. control contact" has been added to the number table;

---In order to maintain the consistency of the marking method, refer to the standard leaf A of IEC 62613-2.2016, and the A.3 marine connection of appendix A

Corrected the label position of q in the first figure of the device, and added L(x3), Pil.(x2) marks;

---In order to maintain the consistency of the marking method, refer to the standard leaf A of IEC 62613-2.2016, and the A.3 marine connection of appendix A

The L(x3) and Pil.(x2) marks have been added to the cross-sectional view of the device;

---In order to maintain the consistency of the marking method, refer to the standard leaf A of IEC 62613-2.2016, and the A.3 marine connection of appendix A

The descriptions of "L-phase pole contact" and "Pil. control contact" are added to the parameter table of the device;