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| CERTIFICATE NUMBER   | 23-2397331-PDA           |
| EFFECTIVE DATE       | 24-May-2023              |
| EXPIRY DATE          | 23-May-2028              |
| ABS TECHNICAL OFFICE | Houston ESD - Electrical |

## CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

**ERICO FRANCE SARL**

located at

**RUE CHARLES DALLIERE BP 31, , 42161 ANDREZIEUX  
BOUTHEON CEDEX, France**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

**Product: Grounding and Bonding Equipment**  
**Model: Series CPI followed by XX (16, 25, 35, 50, 70); by YY (50 thru 5000); by ZZ (6 thru 20)**  
**Endorsements:**  
**Tier: 3 - Type Approved, unit certification not required**

This Product Design Assessment (PDA) Certificate remains valid until 23/May/2028 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping

*Soheni Haque*

Soheni Haque, Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

**ERICO FRANCE SARL**

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**Tier: 3 - Type Approved, unit certification not required**

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**Product:** Grounding and Bonding Equipment  
**Model:** Series CPI followed by XX (16, 25, 35, 50, 70); by YY (50 thru 5000); by ZZ (6 thru 20)  
**Endorsements:**

**Intended Service:**  
Marine & Offshore Applications - Braided ground conductors for use in Grounding and Bonding Equipment.

**Description:**  
Stainless Steel Braided Grounding Conductors  
See attached "pdf" for complete Model List.

**Rating:**  
Ground Stainless Steel Braids (CPI) -  
Material: 316L Stainless Steel;  
Application Range: 16 to 70mm<sup>2</sup> sections with 150 to 1100mm Length;  
Working Temperature: up to 105°C

**Service Restriction:**  
Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

**Comments:**  
The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

**Notes/Drawing/Documentation:**  
Supporting Data from Previous Task T1750134, T1018106, T1070074  
1. Brochure Eriflex Ground Stainless Steel Braids (CPI) Page 34 & 35;  
2. UL File E220029, Report on Grounding & Bonding Equipment, dated 28 March 2017.

**Terms of Validity:**  
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Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

**STANDARDS**

**ABS Rules:**  
2023 Rules for Conditions of Classification, Part 1 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:  
2023 Marine Vessel Rules: 4-8-3/1.7, 4-8-4/23, 4-8-4/25

2023 Rules for Conditions of Classification, Part 1 - Offshore Units and Structures: 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

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2023 Mobile Offshore Units Rules: 4-3-1/11, 4-3-3/7

**National:**

UL File E220029 dated 28 March 2017.  
UL 467 11th Ed

**International:**

IEC 61439-1:2020  
CAN/CSA C22.2 No. 41, 7th Ed

**Government:**

N/A

**EUMED:**

N/A

**OTHERS:**

N/A