



CERTIFICATE NUMBER 19- HG1895487-PDA

EFFECTIVE DATE 20-Sep-2019

EXPIRATION DATE 19-Sep-2024

ABS TECHNICAL OFFICE Hamburg Engineering Services

## CERTIFICATE OF

# Product Design Assessment

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

**SIEMENS AG GWA**

located at

**WERNER-VON-SIEMENS-STR. 48, D-92220 AMBERG, Germany**

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 Power Distribution BusBar System**

**Model 3RA6\*\*\*, 3RV19\*\*, 8US12\*\***

This Product Design Assessment (PDA) Certificate remains valid until 19/Sep/2024 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

Efstratios Maliatsos  
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)

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**Tier: 2 - PDA Issued**

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**Product:** Power Distribution BusBar System**Model:** 3RA6\*\*\*, 3RV19\*\*, 8US12\*\***Intended Service:**

Motor start control unit for installation in switchboards or control cabinets.

**Description:**

3RA61, 3RA62, 3RA64, 3RA65 (SIRIUS Compact Starters)

3RA69\*\*.\* (External Auxiliary Switch Blocks for 3RA6 Starters)

3RV19\*\*.\* (Accessories for 3RA6 Compact Starters)

8US12\*\*.\* (Busbar Adapter for 3RA6 Starters)

3RA68\*\*.\* (Infeed for 3RA6 Expansion Modules)

3RA68\*\*.\* (3RA6 Expansion Modules)

3RA68\*\*.\* (Accessories for Infeed System)

Refer to the attachment for detailed description.

**Rating:**

Rated Voltage: max. 690V

Rated Current: 0.1A - 32A

Frequency: 50/ 60Hz

Degree of Protection: IP20 (Model 3RA6935-0A: IP54)

Refer to the attachment for additional ratings.

**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:**

Document: Catalog, General Data and Specification, Revision: -, Pages: 35

Test Report No: 2916d, IEC 60947-6-2 Type Test by Siemens AG, Dated: 19 July 2017, Revision: d, Pages: 9

**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.

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**STANDARDS****ABS Rules:**

Rules for Conditions of Classification (2019) – 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

Rules for Building and Classing Marine Vessels: 4-8-2/9.17.1, 4-8-2/9.17.2, 4-8-2/9.17.3

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Rules for Building and Classing Steel Vessels: 4-8-3/9.17.1, 4-8-3/9.17.2, 4-8-3/9.17.3  
Rules for Building and Classing Offshore Support Vessels (OSV Rules): 4-8-2/9.17.1, 4-8-2/9.17.2, 4-8-2/9.17.3  
Rules for Building and Classing Steel Vessels Under 90m in Length: 4-6-2/9.13.3, 4-6-2/9.13.4, 4-6-2/9.13.5

ABS Rules for Conditions of Classification (2019) – High Speed Craft 1-1-4/11.9, 1-1-A2, 1-1-A3, which covers the following:  
Rules for Building and Classing High Speed Craft: 4-6-2/9.13.3, 4-6-2/9.13.4, 4-6-2/9.13.5

Rules for Conditions of Classification (2019) – Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:  
Rules for Building and Classing Mobile Offshore Drilling Units: 4-3-2/9.13.3, 4-3-2/9.13.4, 4-3-2/9.13.5  
Rules for Building and Classing Mobile Offshore Units: 4-3-2/9.13.3, 4-3-2/9.13.4, 4-3-2/9.13.5  
Rules for Building and Classing Facilities on Offshore Installation: 3-6/11.7.1

**National:**  
NA

**International:**  
IEC/EN 60947-6-2: 2002 (Edition 2.0)

**Government:**  
NA

**EUMED:**  
NA

**OTHERS:**  
NA