



CERTIFICATE NUMBER
EFFECTIVE DATE
EXPIRY DATE
ABS TECHNICAL OFFICE

19-HG1898396-PDA
26-Sep-2019
25-Sep-2024
Hamburg Engineering Department

CERTIFICATE OF Product Design Assessment

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

ROSE SYSTEMTECHNIK GMBH

located at

ERBEWEG 13-15, D-32457 PORTA WESTFALICA, 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 Junction Boxes, Marine

Model 05, 06, 15, 16, 25, 26, 34, 35, 36.

This Product Design Assessment (PDA) Certificate remains valid until 25/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)

ROSE SYSTEMTECHNIK GMBH

ERBEWEG 13-15

D-32457 PORTA WESTFALICA

Germany

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Fax: +49 (0)571-5041-7104

Email: abrandhorst@rose-pw.deWeb: www.rose-pw.de**Tier: 2 - PDA Issued**

Product: Junction Boxes, Marine**Model:** 05, 06, 15, 16, 25, 26, 34, 35, 36.**Intended Service:**

Box for distribution of power, control or signaling and communication cables.

Description:

Universal industrial enclosures for use on ships and offshore facilities.

Rating:

Material: stainless steel (1.4404), glass fiber reinforced polyester or aluminum.

Rated Voltage: up to 1500 V

Rated Current: up to 500 A

Rated Wire Range: up to 240 sq mm

Degree of Protection: IP66

Certified: II 2 G Ex d e ia [ia] mb IIC T6, T5, T4 Gb and II 2 D Ex tb IIIC T85 deg C, T100 deg C, T135 deg C (IECEX PTB 08.0004, IECEX PTB 07.0060, IECEX PTB 08.0006);

II 2 Ex e IIC Gb and II 2 D Ex tb IIIC Db (IECEX PTB 07.0059U, IECEX PTB 08.0003U, IECEX PTB 08.0005U)

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:

- Each particular application and installation is to be specifically approved in conjunction with the relevant system, location and environmental conditions.
- The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes/Drawing/Documentation:

See drawing lists in the attached document.

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:**

2019 Marine Vessel Rules: 1-1-4/7.7; 1-1-A3, 1-1-A4, 4-8-3/1.7, 4-8-3/1.11, 4-8-3/9.21, 4-8-3/13

2019 MOU Rules: 1-1-4/9.7; 1-1-A2; 1-1-A3; 4-3-1/11; 4-3-1/15; 4-3-3/3.1.1(a); 4-3-3/9.1

National:

NA

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Tier: 2 - PDA Issued

International:
NA

Government:
NA

EUMED:
NA

OTHERS:
NA