



CERTIFICATE NUMBER 18-HG1755840-PDA
EFFECTIVE DATE 10-August-2018
EXPIRATION DATE 09-August-2023
ABS TECHNICAL OFFICE
Hamburg Engineering Department

CERTIFICATE OF

Product Design Assessment

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

ABB Stotz Kontakt GmbH

located at

Eppelheimer Str. 82, D-69123 Heidelberg

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 Ethernet LAN Components

Model EIU32.0

This Product Design Assessment (PDA) Certificate remains valid until expiration date 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

Ulf Numirski
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)

ABB STOTZ KONTAKT GMBH

HAUPTSTRASSE 14-16

D-78132 HORNBERG

Germany

Telephone:

Fax:

Email:

Web:

Tier: 2 - PDA Issued

Product: Ethernet LAN Components

Model: EIU32.0

Intended Service:

Ethernet network applications, support of Ethernet/ IP.

Description:

The EIU32.0 Ethernet interface provides Ethernet/ IP connectivity for the Universal Motor Controller UMC100.3.

Rating:

Power supply: 24V DC

Interfaces: 2 ports RJ45

Ethernet baudrate: 10/100 Mbit/s

Temperature range: 0° C to 60°C

Degree of protection: IP20

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:

Drawing No. 18-10023, Environmental Test Report by PAConsult, 12/06/2018, Revision: A, Pages: 1

Drawing No. 1SAJ262011F0002-01-A_EIU32-0_power_schematic, Schematic power supply, Revision: A, Pages: 1

Drawing No. 1SAJ262021F0002-01-B_EIU32-0_CPU_schematic, Schematic CPU- board, Revision: A, Pages: 1

Drawing No. 1SAJ266601P0001_B, Drawing housing, Revision: B, Pages: 1

Drawing No. 1SAJ266602p0001_B, Drawing front, Revision: B, Pages: 1

Drawing No. 2CDC135055D0201_A_en_EIU32.0_manual_180518, Datasheet EIU32.0, Revision: A, Pages: 1

Drawing No. 3808-318, Test Report, EMC, EMV-Rhein-Neckar, 08/07/2017, Revision: -, Pages: 1

Drawing No. E179811-E179811-D1002-1_A0_C0-CB-Original-Certificate-, CB- Certificate EIU32.0, Revision: A, Pages: 1

Terms of Validity:

This Product Design Assessment (PDA) Certificate 18-HG1755840-PDA, dated 10/Aug/2018 remains valid until 09/Aug/2023 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

STANDARDS

ABB STOTZ KONTAKT GMBH

HAUPTSTRASSE 14-16

D-78132 HORNBERG

Germany

Telephone:

Fax:

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Web:

Tier: 2 - PDA Issued

ABS Rules:

2018 Steel Vessel Rules, 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-9-8/7/13

National:

NA

International:

NA

Government:

NA

EUMED:

NA

OTHERS:

NA