



CERTIFICATE NUMBER
EFFECTIVE DATE
EXPIRY DATE
ABS TECHNICAL OFFICE

22-2265240-PDA-DUP
29-Jun-2022
28-Jun-2027
Hamburg Engineering Department

CERTIFICATE OF Product Design Assessment

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

ABB AUTOMATION EOOD

located at

**RAKOVSKI INDUSTRIAL ZONE PLOT 28, , 4150 RAKOVSKI
PLOVDIV DISTRICK, Bulgaria**

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: **Circuit Breaker**
Model: **ST200M**
Endorsements:
Tier: **2 - PDA Issued**

This Product Design Assessment (PDA) Certificate remains valid until 28/Jun/2027 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)

ABB AUTOMATION EOOD

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4150 RAKOVSKI PLOVDIV DISTRICT

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Tier: 2 - PDA Issued

Product: **Circuit Breaker**

Model: **ST200M**

Endorsements:

Intended Service:

Branch circuit and back-up protection in electric sub-distributions.

Description:

Fixed mounted automatic fuse/ miniature circuit breakers.

Poles: 1, 1+N, 2, 3, 3+N, 4.

Rating:

Rated Operating Voltage Ue: 1P, 1P+N: 230 V AC, 2P, 3P, 3P+N, 4P: 400 V AC;

Rated Frequency: 50/ 60 Hz;

Rated Current In: 0.5...63 A ;

Tripping Characteristic B, C, D, K, Z (reference temperature 30°C);

Rated ultimate short-circuit breaking capacity Icu: 15 kA;

Rated service short-circuit breaking capacity Ics: for In 40 A: 11.25 kA, for In > 40 A: 7.5 kA;

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:

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.1.
2. Each particular application/ installation of the circuit breakers and the individual ratings and settings are to be specifically approved in conjunction with the relevant system in which they are used.

Notes/Drawing/Documentation:

Drawing No. datasheet_ST200M_9AKK107046A3150 Rev.B, Technical Datasheet

Drawing No. Bestaetigung IEC 60947-2_2016 COR1_2016 A1_2019, Declaration of Compliance to Standards, VDE Testing & Certification Institute, 30-05-2022

Drawing No. Certificate CB_ST200M_B-C-D-K-Z IEC 60947-2_DE1-63147_G_B, CB Test Certificate

Drawing No. Testreport-264011-TL3-I, IEC 60947-2 VDE Test Report, 2020-02-15

Terms of Validity:

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STANDARDS

ABS Rules:

2022 Marine Vessel Rules: 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-8-3/1.17, 4-8-3/5.3.3 (a)(b)

2022 Mobile Offshore Units Rules: 1-1-4/9.7, 1-1 A2, 1-1-A3, 6-1-7/13.1

National:

NA

International:

IEC 60947-2:2016/AMD1:2019

Government:

NA

EUMED:

NA

OTHERS:

NA