



CERTIFICATE NUMBER
15-HG1347019-PDA

DATE
27 Apr 2015

ABS TECHNICAL OFFICE
Hamburg Engineering Department

CERTIFICATE OF DESIGN ASSESSMENT

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

ABB STOTZ KONTAKT GMBH

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: **S200-B/C/D, S200M-B/C/D, S200-K/Z, S200M-K/Z**

This Product Design Assessment (PDA) Certificate 15-HG1347019-PDA, dated 27/Apr/2015 remains valid until 26/Apr/2020 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.

AMERICAN BUREAU OF SHIPPING

Ulf (Ulf Numirski) Numirski
Engineer

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 the terms and conditions as contained in 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

Product: **Circuit Breaker****Model:** **S200-B/C/D, S200M-B/C/D, S200-K/Z, S200M-K/Z****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 U_e : 230/ 400V (240/ 415V) AC.

Rated Frequency: 50/ 60 Hz.

Rated Current I_e (30°C): B: 6 to 63 A, C: 0.5 to 63 A, D: 0.5 to 40 A, K/Z: 0.5 to 50 A (1, 1+N, 2-poles: 63 A).

Rated Short Circuit Capacity: 6 kA (S200-B/C/D), 10 kA (S200M-B/C/D), 7.5 kA (S200-K/Z), 7.5/ 11.25 kA (S200M-K/Z).

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/ 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.

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

Notes/Drawing/Documentation:

Drawing No. S200, Models and Technical Data

Terms of Validity:

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STANDARDS**ABS Rules:**

2015 Steel Vessel Rules 1-1-4/7.7, 1-1-Appendix 3 and 4, 4-8-3/1.7/1.11.1/1.17/5.3.3/, 4-9-8/13.5

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Tier: 2 - PDA Issued

National:

NA

International:

IEC 60947-1/-2 (Edition 2014), IEC60898-1 (Edition 2015)

Government:

NA

EUMED:

NA

OTHERS:

NA