

# Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

<b>Manufacturer</b>	<b>ABB Industrial Solutions (Belgium) bvba</b>
<b>Address</b>	Nieuwevaart 51, Gent, 9000, Belgium
<b>Type</b>	Circuit Breakers (Non Env Tested)
<b>Description</b>	Miniature Circuit Breakers without enclosure
<b>Trade Name</b>	S200C Family
<b>Application</b>	Marine, Offshore and Industrial use
<b>Specified Standard</b>	EN 60898-1: 2003 +A1: 2004 + A11: 2005 + A12: 2008 + A13: 2012
<b>Ratings</b>	See Appendix
<b>Additional Tests</b>	Vibration test: 7.9m/s <sup>2</sup> , 5-150 Hz, 5 hours/ axis (x, y, z) Humidity test: TestDb, 2 cycles, temp.: 25°C to 55° C, humidity: 95%-100% resp. 90% to 96% Dry heat test: 60°C/6 hours Low temperature test:-25° C/2 hours off condition

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.



**Jochen Koerner**

Senior Specialist to Lloyd's Register EMEA  
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS,  
United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

---

# Type Approval Certificate

The Design Appraisal Document No. HTS/ETS 39816-20 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

71 Fenchurch Street, London, EC3M 4BS,  
United Kingdom

---

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.





---

S202CM C4	2CDS272280R0044
S202CM C6	2CDS272280R0064
S202CM C10	2CDS272280R0104
S202CM C13	2CDS272280R0134
S202CM C15	2CDS272280R0154
S202CM C16	2CDS272280R0164
S202CM C20	2CDS272280R0204
S202CM C25	2CDS272280R0254
S202CM C32	2CDS272280R0324
S202CM B2	2CDS272280R0025
S202CM B4	2CDS272280R0045
S202CM B6	2CDS272280R0065
S202CM B10	2CDS272280R0105
S202CM B13	2CDS272280R0135
S202CM B16	2CDS272280R0165
S202CM B20	2CDS272280R0205
S202CM B25	2CDS272280R0255
S202CM B32	2CDS272280R0325

**LLOYD'S REGISTER TYPE APPROVAL – DESIGN APPRAISAL DOCUMENT**  
**ISSUED BY: HAMBURG TECHNICAL SUPPORT OFFICE (HPC 1962067)**  
**ISSUED TO: ABB INDUSTRIAL SOLUTIONS (BELGIUM) BVBA**  
**FOR: MINIATURE CIRCUIT BREAKERS WITHOUT ENCLOSURE, TYPES S202C M BX/CX**

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System Procedure TA14 Version 03 (July 2017) and this Design Appraisal Document forms part of the Certificate.

**APPROVAL DOCUMENTATION**

unnumbered	Application Checklist – Appendix to Form 2502TA	09.06.2019
unnumbered	GE catalogue, pages A.06/A.97	undated
STR/B5/2019	Statement of test results	3.04.2019

**TEST REPORTS**

P50-11-011e3	RST Rail System Testing GmbH	26.05.2011
59459804-00	SGS test report EPC 102, B2-B32, C2- C32	2.04.2019
59459804-01	SGS test report EPC 102, C32	2.04.2019
59459804-02	SGS test report EPC 102, C25	2.04.2019
59459804-03	SGS test report EPC 102, C16	2.04.2019
59459804-04	SGS test report EPC 102, B 32	2.04.2019
59459804-05	SGS test report EPC 102, B 25	2.04.2019
59459808-00	SGS test report S200C	17.03.2020
59459808-01	SGS test report S200C C16	17.03.2020
59459808-02	SGS test report S211C C20	17.03.2020
59459808-03	SGS test report S202C C32	17.03.2020
59459808-04	SGS test report S204C C32	17.03.2020
59459808-05	SGS test report S202C C15	17.03.2020

**DRAWINGS**

2300277512A	ABB-S202C M, rev 1	20.05.2019
23002542277P	Toggle UNIBIS-SN201, rev 1	19.03.2019
PEM2-003-00	Cover, rev 06	14.12.2015
PEM2-061-00	Intermediate Shell, rev 02	6.03.2014



Jochen Körner  
Senior Specialist  
Electrotechnical Systems  
Hamburg Technical Support Office  
Lloyd's Register EMEA  
T +49 (0)40 34970010-241  
E jochen.koerner@lr.org

**Supplementary Type Approval Terms and Conditions**

*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

*Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations. Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.*