



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.

Manufacturer	ABB SpA
Address	Via Vittor Pisani, 16, Milano, MI, 20124, Italy
Place of Production	ABB Industrial Solutions (Klodzko) Sp. z o.o. Ul. Pilsudskiego 5, Klodzko, 57-300, Poland
Type	Circuit Breakers (Env Tested)
Description	Residual Current Circuit Breaker with Overcurrent Protection
Trade Name	DS202CR
Application	Marine/Offshore/Industrial applications in environmental categories ENV1, ENV2, ENV3 and ENV4 as detailed in Lloyd's Register Type Approval System - Test Specification Number 1, December 2021.
Specified Standard	IEC 61009-1:2010+A1:2012+A2:2013; IEC 61009-2-1:1991.
Ratings	See Appendix.
Additional Tests	The circuit breakers have been tested against low temperature to -25 °C, and are suitable for the environmental category ENV5 if installed in an enclosure which is separately tested against salt mist and degrees of protection provided (minimum IP56).

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

Matteo Roiaz

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

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

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.

The Design Appraisal Document LR22550383DA 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.





APPENDIX to Certificate no. LR22550383TA

Ratings:

number of poles	:	2P
rated voltage (Un)	:	110 V / 230 V
nature of supply	:	AC
rated frequency	:	50 Hz and 50/60 Hz
rated current (In)	:	6 up to 40 A
range of instantaneous tripping overcurrent (curve)	:	B, C
rated residual current (Idn)	:	10 up to 300 mA
residual current type	:	A
rated residual marking and breaking capacity (Idm)	:	3000 A according EN 61009-1 1500 A according IEC 61009-1
rated short-circuit current (Icn)	:	4500 A / 6000 A / 10000 A
energy limiting class	:	3
safety distance 'a'	:	60 mm for types rated Icn=10000 A, In=40 A 35 mm for all other types
method of operation	:	independent of the line
method of mounting	:	distribution board
terminals	:	screw terminal
rated ambient temperature (ta)	:	-25 °C to +40 °C
protection against electric shock	:	IP 20

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.