

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
Place of Production	ABB SpA Via Ardeatina, 2491, Santa Palomba (RM), Italy, 00134
Type	Circuit Breakers (Non Env Tested)
Description	Residual current operated circuit-breaker with integral overcurrent protection.
Trade Name	DS202C M C15 A30 110V
Application	Marine/Offshore/Industrial
Specified Standard	IEC 61009-1:2010+A1:2012+A2:2013 IEC 61009-2-1:1991
Ratings	Number of poles: 2 Number of protected poles: 2 Rated voltage Un: 230-240 VAC Rated current In: 15 A Rated short-circuit current capacity Icn: 10 kA (230-240 VAC) Range of instantaneous tripping current: type C Rated residual operating current Idn: 30 mA

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

Maurizio Crucil

TTSO Senior 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

Residual current operating characteristics: type A

Other Conditions

Application of circuit-breakers to marine switchboards may be based upon agreed performance tests. Circuit-breakers intended for other marine applications (where excessive temperature, humidity and vibration may be present) are to satisfy the requirements of Lloyd's Register Test Specification No. 1 category ENV2 as a minimum.

This particular series of devices has the minimum operating voltage of test button of 110 V.

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 LR21191243DA and its supplementary Type Approval Terms and Conditions form part of this Certificate.