



**TYPE APPROVAL CERTIFICATE**  
No. **ELE086524CS**

**This is to certify** that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>Residual current operated circuit-breakers with overcurrent protection</b>
<i>Type</i>	<b>DS202CR</b>
<i>Applicant</i>	<b>ABB SPA VIA VITTOR PISANI, 16 20124 Milano (MI) ITALY</b>
<i>Manufacturer</i>	<b>ABB S.P.A. - ABB SACE DIVISION</b>
<i>Place of manufacture</i>	<b>VIA ARDEATINA, 2491 00040 Santa Palomba (RM) ITALY</b>
<i>Reference standards</i>	<b>IEC 61009-1:2010, IEC 61009:1:2010 + A1:2012, IEC 61009-1:2010 + A2:2013</b>

*Issued in* **Genoa** on **October 14, 2024**. *This Certificate is valid until* **June 13, 2028**

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**RINA Services S.p.A.**  
***Luigi Benedetti***

This certificate consists of this page and 1 enclosure

## TYPE APPROVAL CERTIFICATE

No. **ELE086524CS**

Enclosure - Page 1 of 1

**DS202CR**

### Product Description

Residual current operated circuit-breaker with overcurrent protection type **DS202CR**

### Technical Data

RCBO type A

**Ambient Temperature:** -25 °C .. +40°C

**Rated frequency:** 50-60 Hz

**Number of poles:** 2P - 2 modules

**Rated operational voltage (Un):** 110 V, 230 V for RCBOs rated Icn=10000 A, 230 V for all other types

**Rated current (In):** B/C 6 A, 10 A, 13 A, 15 A, 16 A, 20 A, 25 A, 32 A, 40 A

**Rated residual current (IΔn):** 10 mA, 30 mA, 300 mA

**Instantaneous tripping current:** Curve C

**Rated short-circuit capacity (ICn):** 10 kA

**Rated residual making and breaking capacity (IΔm):** 3 kA(EN61009-1), 6 kA(IEC 61009-1)

**Energy limit class:** 3

**Protection against electric shock:** IP20

### Test Reports

CEBEC Test Report Summary n. 62361401/01 to n. 62361401/39

CB Test certificate n. BE-10661 (30.08.2022)

Statement of Test Results - Reference: STR/B10/2022

DS 202 CR Identify declaration RINA - PLP4822URCBO10

Test Report issued by ABB S.p.A. Mod. 270

The device is suitable for onboard installation according to the following Environmental Category: EC 3b3, EC43;

### Technical description :

DS202CR for marine applications - 9AKK108467A1864 (August 2022)

### Reference documents

TAO-APP dated 23/05/2023

Offer 2023/14892 dated 06/06/2023

The documents above-mentioned have been archived in the Leonardo Draw Plus portal under the project:

<https://leodrawplus.rina.org/projects/36539/detail>

**Genoa 14/10/2024**