



TYPE APPROVAL CERTIFICATE
No. ELE281223XG

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>	Lightning Protection
<i>Type</i>	CMCE Marine Gold 25M/ Platinum 55M/ Diamond 120M
<i>Applicant</i>	SERTEC S.R.L. Avda. General Santos c/Paseo de las Casuarinas 001310 Asuncion PARAGUAY
<i>Manufacturer</i>	SERTEC S.R.L.
<i>Place of manufacture</i>	Avda. General Santos c/Paseo de las Casuarinas 001310 Asuncion PARAGUAY
<i>Reference standards</i>	See attached document

Issued in **Hamburg** on **December 12, 2023**

RINA Services S.p.A.

This certificate consists of this page and 1 enclosure

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CMCE Marine Gold 25M/ Platinum 55M/ Diamond 120M

General product information:

Each capacitor has one of the electrodes referenced to ground, which is charged with the same polarity as the ground. The free electrode generate a flow of charges to the ground system induces atmospheric charges of opposite polarity to that of the ground, achieving internal balance between its electrodes, which generates a potential difference. This results in a flow of charges to the ground, which are absorbed from the atmosphere, preventing the formation of lightning within its coverage radius.

Compliance with IEC, EN, UNE-EN and BS-EN 62305 Part 1, 2, 3, 4, and UL 96 (for specific device)

Reference documents:

Ficha Tecnica CMCE - 2023 - ENG;

Test Reports:

Nikola Tesla Institute of Electrical Engineering-Belgrade: 322053 Voltage testing of SERTEC CMCE device ENG;
Instituto Tecnológico de la Energía: IE-ITE-210912-01 EN;
GCC Electrical Power Lab Co.: 007-01-23 R1

Hamburg December 12, 2023