

THE KASKAD SYSTEMS FOR ELECTRIC SIGNATURE CANCELLATION & IMPRESSED CURRENT CATHODIC PROTECTION OF SHIPS

Slip-ring/brush assembly

Anode current regulator



Reference electrodes

Anodes



Integrated Kaskad-type systems is intended for management of the ship's electric field and corrosion protection of hull and propellers.

Kaskad-type systems features:

- Enhanced corrosion protection for propeller and hull.
- Improved corrosion protection of propeller with the ability of controlling of protection level.
- Optimal arrangement of anodes.
- Active shaft grounding device for propeller short circuiting to hull to provide a stable electric contact between hull and propeller.

Main technical data of the KASKAD systems equipment:

- Power supply: three-phase 380 V, 50 Hz
- Nominal output voltage: 25 V
- Nominal output current: 32 A
- Transient electric resistance between propeller and hull: not higher than $5 \cdot 10^{-4}$ Ohm

Krylov State Research Centre

Moskovskoe shosse 44, St. Petersburg 196158, Russian
Tel.: +7 (812) 727-96-47 Fax: +7 (812) 727-95-94
E-mail: krylov@krylov.spb.ru www.krylov-center.ru