

Inverter block UA0003C1 of Control System SandRA Z100 line

The **UA0003C1 inverter block** is part of the **SandRA Z100** series of rugged control stations, a powerful and safe solution for nuclear **power applications**. **ZAT** has been developing and manufacturing control systems for more than **50 years** and thanks to this we are able to continue to develop new and modern products that meet all the requirements for the modern world of technology.

The block performs the function of the main or backup power supply of three-phase synchronous reluctance motor **RD42** of the emergency and control **HRK** of the **VVER 440** nuclear reactor. The block reads and operates a total of **22 binary inputs** and **4 binary outputs**. Data is transferred using redundant **SSIO2 communication**. All binary inputs are **galvanically isolated** from the internal block circuits and all binary outputs are **galvanically isolated** from the internal block circuits and from each other.



- Designed for 19" rack
- Board dimensions 142 x 266 x 328 mm
- 22 binary outputs
- 4 binary outputs
- SSIO2 communication
- Communication with the operator is provided by LEDs on the front panel
- Design and circuit design allows Hot Swap function

