Inverter block ZS1001R1

Safe and reliable automation

Inverter block ZS1001R1 of Control System SandRA Z100 line

The **ZS1001R1** inverter block belongs to the **SandRA Z100** family of control systems, which are suitable for applications in the field of the nuclear industry. Above all, these industries require a safe, powerful and reliable control system, which the **SandRA Z100** certainly is.

The block performs the function of the main or backup power supply of one three-phase synchronous reluctance motor **RD42**of the emergency and control **HRK**of the VVER 440 nuclear reactor. Provides power to the **RD42** synchronous motor in all operating modes: hold, move, catch, and emergency hold. All binary inputs have a common positive **48V** power supply and are galvanically separated from the internal circuits of the block. All binary outputs of the "free contact" are galvanically separated from the internal circuits of the block and each other.

- **Designed for 19” rack**
- **Board dimensions 142 x 266 x 328 mm**
- **14 binary outputs**
- **4 binary outputs**
- **Signaling LED on the front panel**
- **Data transfer thanks to redundant SSIO2 communication**
- **The design and circuit design enables the Hot Swap function**