# Voltage and current measurement block UB0024A1

*Safe and reliable automation*

## Voltage and current measurement block UB0024A1 of Control System San-

The **UB0024A1 voltage and current measurement block** is part of the robust and powerful **SandRA Z100** control system series, which is ideal for applications in the harsh environment of the **nuclear industry** due to its reliability and security. **ZAT** is a traditional Czech company supplying control systems for **industry and energy** and is one of the world players on the market.

The primary function of the **UB0024A1** block is to measure the supply currents and voltages of the linear stepper motor driving the control mechanism of the **VVER1200** (VVER1000) nuclear reactor. It is intended for use in the control drive subsystem of a control mechanism. Input and output data are transferred via **SSIO3 master-slave communication** to the respective adapter. The block allows connection of **two lines of SSIO3 communication channels**.


- **Designed for 19" rack**
- **Board dimensions 74 x 105 x 335 mm**
- **SSIO3 communication line via RJ45 metallic interface**
- **SSIO3 communication line via POF optical interface**
- **Circuits for measuring three independent currents in the ±25 A range**
- **Circuits for measuring three independent voltages in the ±250 V range**
- **Circuits for temperature measurement**
- **Internal diagnostics system and front panel signaling LED**