

Control module with integrated inputs and outputs UC0014A1 control system SandRA Z211

The **UC0014A1** control module is part of the **SandRA Z211** series of small compact control stations, which is the ideal solution for small applications such as small hydro power plants. The **Z211** series provides optimum performance, guarantees reliable and safe operation and excels in very easy installation.

Module UC0014A1 is the basic user-programmable unit of the **Z211**. It allows connection of external devices via serial channels, **Ethernet** interface and also includes integrated inputs and outputs. The module is primarily designed to control **rotating machines**. However, the module can be used as a general compact control unit using integrated inputs and outputs.



CPU and communication:

- PowerQUICC II MPC8270 processor at 450 MHz
- 128 MB SDRAM with ECC support
- 128 MB FLASH memory
- 16 kB data cache, 16 kB instruction cache
- 2 MB SRAM backup memory
- Backup RTC circuit
- 3 channels serial interface + terminal
- USB interface
- 3 channel Fast Ethernet 100BASE-TX

IO signals:

- 2 inputs for speed sensors
- 16 binary outputs
- 8 binary outputs
- 16 analog outputs
- 4 analog outputs

Other parameters:

- Module dimensions 242 x 256 x 50 mm
- Easy DIN rail mounting
- Signaling LED at the front of the module
- Galvanic separation of inputs and outputs as well as communication interfaces from the system

