



Binary I/O Board BC0044B1

Safe and reliable automation

Binary I/O board BC0044B1 of Control System SandRA Z100

It is part of a set of electronic components for a general safety system or a system with safety implications.

The **BC0044B1** board is the **Z102** system basic interface for binary output signals. It is intended for connection of 16 binary inputs and 16 binary outputs via the serial bus.

The board contains input circuits that implement signal conditioning and galvanic isolation. After converting the input logic levels to internal logic levels (3.3V), the signals are processed by an (FPGA programmable gate array). FW controls the storage of logical states of inputs into memory.

The board contains output circuits that implement binary signal switching and galvanic isolation. Using a field programmable gate array, voltage signals are generated that serve as a command to switch the output. All outputs are galvanically isolated from the system and from each other.



- Designed for 19" rack
- Board dimensions 20 x 262 x 208 mm
- 16 binary outputs
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- Output short circuit resistance
- Contactless switching
- Galvanically separated outputs from the system
- Galvanic separation of outputs from

