



## Binary inputs board

### BC0042B1

*Safe and reliable automation*

#### Binary input board BC0042B1 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 **BC0042B1** board is the **Z102** system basic interface for binary output signals. It is designed to connect 32 binary inputs via the serial bus to the Z102 control board.

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 states of inputs into the memory. The FPGA is also the interface between the serial bus and the board circuitry. All inputs are galvanically isolated from the system and from each other. There is an EEPROM memory on the board for storing service data.



- Designed for 19" rack
- Board dimensions 20 x 266 x 208 mm
- 32 binary outputs
- Galvanic separation of inputs from the system and from each other
- Board status indication via LED on the front panel

