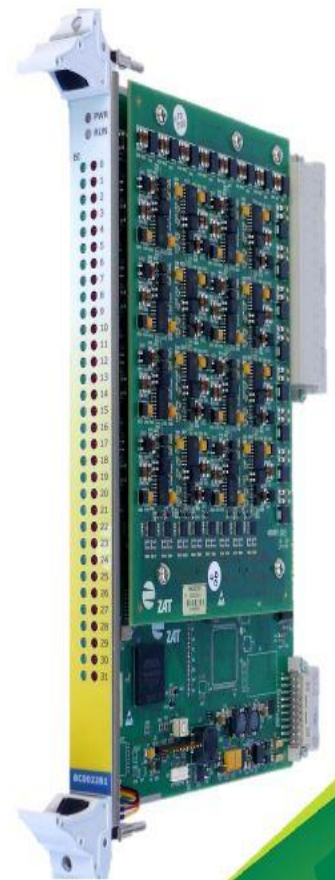


Binary input board with diagnostics BC0022B1



The board BC0022B1 represents a basic interface of the system for binary signals. It is intended for connection of 32 logical inputs to the control board of the Z102 system via serial bus. The board detects closed loop and tests the function of all 32 binary inputs. Its construction and circuit design allow inserting and removing of the board during system operation (Hot Swap function).

Electrical parameters					
Parameter	Conditions	Min.	Type	Max.	Units
Number of inputs			32		
Logical level					
Log. H			24	30	V
Log. L			0	6	V
Temperature coefficient of threshold level			+ 0,3		%/C
Input current	U _{in} = 24 V		10,5		mA
Glitch filter time constant		1		1000	ms
Dielectric strength input/system		700			V DC
Dielectric strength input/input		700			V DC
Supply voltage		21	24	26	V
Power consumption			180	350	mA



BC0022B1

- Connection of 32 binary inputs
- Closed loop detection of all 32 inputs
- Galvanic insulation of inputs from the system and from each other
- Signaling of input states and correct function on the board front panel
- Communication with the Z102 microcomputer board via SSIO3 bus