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Find the *B and R BRCOMP1-0* at our website: *Click HERE*

GENERAL INFORMATION

The Compact PLC is in the same category as the MINICONTROL. It was developed to be 100% software compatible to MINICONTROL. If you need to change to MINICONTROL because of advanced requirements, the work you have accomplished concerning software will not be lost.

Even though it is not modular, the Compact PLC is able to be used universally because of it's concept and design.

Features

- Digital inputs/outputs
- Relay expansion card
- Analog inputs (voltage, current and temperature)
- Analog outputs (voltage and current)
- Event counter
- Interrupt input
- Reference input
- Channel A and B for positioning tasks
- 2 serial interfaces
- CAN Bus (BRCOMP2-0)
- B&R standard PATA interface (for MINICONTROL operator panel)
- SSI interface for connection of absolute encoders
- B&R on-line interface
- 16 KBytes EEPROM application memory
- 16 KBytes additional EEPROM
- RS485 network (B&R MININET)
- Operator panels: MINICONTROL operator panel
  Compact MMI P120 and MMI P121
  Other products from the PANELWARE family

The controller is described in detail in the "B&R Compact PLC User's Manual" (MABRCOMP1-E).

ORDER INFORMATION

Compact PLC with 6303 processor, 16 KBytes application memory, approx. 4 msec / K instructions, 16 digital inputs, 14 digital outputs, 2 analog inputs, 2 analog outputs, channel A and B for positioning tasks, reference input, event counter, interrupt input, B&R on-line interface, RS232 interface (not electrically isolated), RS232/RS485 interface (RS485 electrically isolated), PATA interface

without CAN Bus	**BRCOMP1-0**
with CAN Bus	**BRCOMP2-0**

ACCESSORIES

RELAY EXPANSION CARD

A relay expansion card can be obtained for the Compact PLC. It is described at the end of section A2 "B&R Compact PLC".

Order Information

16 relay outputs in 8 groups (2 x 4, 2 x 2 outputs, 4 x 1 output), switching current max. 3 A per output / 6 A per group, switching voltage 240 VAC / 30 VDC, status LED	**BRADREL1-0**

STANDARD SOFTWARE

A diskette with the most important standard software is put together especially for the Compact PLC. The following software is saved on the diskette:

- General Utilities (Standard Software Package 1)
- Operator Panel Software
- B&R MININET

Model Number

German	**SWSPSBRC01-0**
English	**SWPLCBRC01-0**

TERMINAL BLOCKS

A PHOENIX terminal block set can be ordered as an accessory (BRTB0218-0).

Pieces	Terminal Block
2	8 pin
2	10 pin

TECHNICAL DATA

Processor	6303
Processing Time	approx. 4 msec / K instructions
Application Program Memory	16 KBytes RAM/EEPROM
Expansion Memory	16 KBytes EEPROM (for data)
Status LED	red
Number of Registers Remnant Non-remnant	7168 7148 20
Number of Flags Remnant Non-remnant	800 300 500
Time/Date	Real time Clock
Software Timer	64
Clock Pulses	10 msec, 100 msec, 1 sec, 10 sec
Digital Inputs	16 of which 4 can be used as counter inputs
Digital Outputs	14
Analog Inputs	2
Analog Outputs	2
Serial Interfaces IF1 IF2 IF3 IF4 IF5	 RS232 RS232/RS485 (RS485 electrically isolated) PATA (MINICONTROL operator panel, relay expansion card), SSI (connecting absolute encoders) B&R on-line interface CAN Bus (BRCOMP2-0)
CAN Bus	only BRCOMP2-0
Supply Voltage	24 VDC ±25 %
Max. Power Consumption without Operator Panels at 18 V at 24 V at 30 V	 6 W 6.5 W 7.5 W
Fuse	T 1.25 A / 250 V
Software and Hardware Watchdog	YES
Battery Monitor	YES
Operating Temperature	5 to 55 °C
Relative Humidity	30 - 95 % non-condensing

NETWORKS / COMMUNICATION

B&R MININET	YES
B&R NET2000	NO
ARCNET	NO
ETHERNET	NO
CAN Bus	only BRCOMP2-0
From Other Manufacturers	YES

Also see section C "Industrial Networks and Communication".

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