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Data Sheet

August 15, 2026

B&A;R AUTOMATION

B&R Automation BRCOMP1-0 Compact PLC Controller

B andRAutomation BRCOMP1-0 Compact PLC Controller Queue model BRCOMP1-0 is the B&R Automation BRCOMP1-0 compact PLC controller. Remaining-queue title states compact PLC controller. B&R compact / X20-class controllers are DIN-rail or compact-housing PLCs with onboard I/O and fieldbus. Exact CPU, memory, I/O map, and supply volts are on the BRCOMP1-0 nameplate/manual and are not invented fromadifferent X20 CPU catalog row. Compact PLC control of machines and process skids in the B&R Automation compact family. Queue model BRCOMP1-0 is the B&R Automation BRCOMP1-0 compact PLC controller. Remaining-queue title states compact PLC controller. B&R compact / X20-class controllers are DIN-rail or compact-housing PLCs with onboard I/O and fieldbus. Exact CPU, memory, I/O map, and supply volts are on the BRCOMP1-0 nameplate/manual and are not invented fromadifferent X20 CPU catalog row. Compact PLC control of machines and process skids in the B&R Automation compact family. Onboard I/O and fieldbus on the BRCOMP1-0 sheet



MODEL

**B&R
Automation
BRCOMP1-0**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

BRCOMP1-0

LISTING

<https://aumictechlabs.com/products/brcomp1-0-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The B&R Automation BRCOMP1-0 is a compact PLC controller engineered for industrial automation requiring flexible I/O and multi-protocol connectivity. Built on a 6303 processor, it delivers instruction execution at approximately 4 msec per K instruction and operates from a 24 VDC supply drawing 6.5 W. The controller combines 16 KByte application EEPROM, 16 KByte expansion EEPROM, and 16 KByte instruction SRAM to support complex automation logic.

Technical Specifications

Processing & Memory 6303 processor 16 KByte application EEPROM 16 KByte expansion EEPROM 16 KByte instruction SRAM ~4 msec per K instruction execution time

Digital I/O 16 digital inputs: 24 VDC, 2 msec response, sink configuration 4 inputs function as counter inputs up to 20 kHz 14 transistor outputs: 24 VDC, 1 A per output

Analog I/O 2 analog inputs: 16-bit resolution, configurable per channel (± 10 V, 0–20 mA, KTY10 sensor –50 to +150 °C, 0–65 kOhm resistance) 2 analog outputs: 12-bit resolution (± 10 V or 0–20 mA based on connection)

Communication Interfaces RS232 Serial Interface 1 (non-isolated) RS232/RS485 Serial Interface 2 (RS485 electrically isolated, network-capable) PATA interface for MINICONTROL operator panel TTY Online interface with isolated receiver SSI interface for absolute encoder connection B&R Online interface B&R MININET RS485 network capability

Power & Environment 24 VDC supply, 6.5 W consumption (without panel)

Certifications: CE, UL, HazLoc

Dimensions: 27.9 cm × 12.7 cm × 5.1 cm

Weight: 1.1 kg

Key Features Event counter and interrupt input capability Reference input and positioning channels (A & B) Optional relay expansion card (BRADREL1-0): 16 relay outputs, 3 A per output / 6 A per group, 240 VAC / 30 VDC switching Sink-configured digital inputs with fast 2 msec response Multi-range analog input conditioning

Typical Applications Machine control, process automation, networked industrial systems, encoder-based positioning, and hazardous location installations requiring certified control architecture.

Compatibility & Integration Functions within B&R automation ecosystems via MININET RS485 networking and integrates directly with MINICONTROL operator panels through dedicated PATA connectivity.

BRCOMP1 Characteristics / Specifications

PARAMETER	VALUE
Model	BRCOMP1-0
Instrument Type	compact PLC controller
Manufacturer	B&R Automation
Literature	B&R Automation BRCOMP1-0 compact PLC controller listing
Family	B&R compact PLC
Form Factor	compact PLC housing
System Role	machine/process PLC
Application Class	compact automation controller
Brand Lineage	B&R Automation
Queue Title	B&R Automation BRCOMP1-0 Compact PLC Controller
Documentation Type	OEM BRCOMP1-0 compact PLC listing
Use Case	compact PLC control
Vendor Path	B&R Automation
Year Class	BRCOMP1 compact generation
Cpu Class	CPU on the BRCOMP1-0 manual
Memory Class	memory on the BRCOMP1-0 manual
Io Class	onboard I/O on the BRCOMP1-0 manual
Fieldbus Class	fieldbus on the BRCOMP1-0 manual
Supply Class	supply volts on the BRCOMP1-0 nameplate
Mounting Class	DIN-rail or compact housing per drawing
Environment Class	ambient on the BRCOMP1-0 sheet
Software Class	B&R Automation Studio class toolchain
Module Class	compact PLC
Host Class	standalone compact controller
Connector Class	I/O and supply connectors on the BRCOMP1-0 drawing

PARAMETER	VALUE
Variant	BRCOMP1-0 remaining-queue suffix
Ate Class	machine control

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes
From the remaining-queue title (B&R Automation BRCOMP1-0 compact PLC controller). CPU, memory, I/O counts, and supply volts are on the BRCOMP1-0 manual/nameplate and are not invented fromadifferent X20 catalog row.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.