

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ABB P-HC-BRC-41000000

Symphony Plus Harmony Rack BRC410 Bridge Controller with Ethernet



CONTROLLER	PROCESSOR	ETHERNET	TEMPERATURE
BRC410	160 MHz, 32-bit	10/100 Mbps	0 to 70 deg C

ABB P-HC-BRC-41000000 is a BRC410 Bridge Controller with Ethernet for Harmony Rack and Symphony Plus control systems. It executes continuous, sequential, batch and advanced control strategies and connects supported rack, SD Series and S800 I/O while providing Ethernet-based Modbus TCP integration.

01

VERIFIED PRODUCT IDENTITY

Product model	P-HC-BRC-41000000
Official product name	Bridge Controller with Ethernet
Controller type	BRC410
Product family	Symphony Plus Harmony Rack HR Series
Processor	160 MHz, 32-bit Freescale ColdFire
Dynamic memory	8 MB DRAM
Nonvolatile memory	2 MB NVRAM
Controller power	2 A at 5 VDC; 10 W

Source: 2VAA000720R0001 / 2VAA005093 / 2VAA002585-600. Verify the complete model and current controlled manufacturer revision.

02 TECHNICAL DATA

Personality board power	100 mA at 5 VDC; 0.5 W
Ethernet port	One 10/100 Mbps port
Serial ports	Two RS-232-C, or one RS-232-C and one RS-485
Diagnostic port	One mini-USB port
Redundant link rate	4 MB/s normal
Programming	Function codes, Batch 90 and user-defined functions
03	0 to 70 deg C

03 OFFICIAL APPLICATIONS

- Continuous and sequential process control
- Batch control and advanced control strategies
- Harmony Rack and SD Series I/O control
- S800 I/O integration through supported interfaces
- Modbus TCP intelligent device integration

04 OFFICIAL DOCUMENTATION

[ABB Symphony Plus HR Series brochure - 2VAA005093](#)

[ABB related-document index - 2VAA002585-600](#)

AMIKON PRODUCT SUPPORT

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