AC 870P LOCAL I/O

Product Data Sheet

3BDH000734R1 CBC11-P AC870P

Seven-channel closed-loop control module

CONTROL CHANNELS	NOMINAL SUPPLY	SUPPLY RANGE	REAR CONNECTOR
7	24 V DC	20–33 V DC	C64 to DIN 41612

ABB 3BDH000734R1 CBC11-P is a seven-channel closed-loop control module in the AC 870P Local I/O range. It provides controller-output functions for the AC 870P platform, including PI-step control and three-point positioning with transmitter supply and coupling-relay control.

01 TECHNICAL DATA

Control channels	7
Nominal supply	24 V DC
Supply range	20–33 V DC
Rear connector	C64 to DIN 41612
Field termination	Cage-clamp spring terminals
Front-panel fuse	T3.15H
Operating ambient	0–50 °C
Storage and transport	–30 to +85 °C
Operating relative humidity	75% annual average; noncondensing
Climatic class	3K3 to DIN EN 60721-3-3

02 ADDITIONAL PRODUCT DATA

Fnet lines	2 redundant lines: A and B
I/O timestamp resolution	1 ms
Fnet station capacity	126 single modules or 126 redundancy pairs
Bus-segment slave capacity	44 slaves
Control modes	PI-step; three-point positioner

03 PRODUCT FUNCTION

The Local I/O architecture uses redundant A/B Fnet lines and 1 ms time stamping to exchange signals with the controller. CBC11-P uses the common 24 V DC local-I/O supply arrangement, a rear C64 connector and front cage-clamp field terminations. Its seven-channel arrangement distinguishes it from the four-channel CAC10-P module listed alongside it.

04 SYSTEM COMPATIBILITY

Connect the module through the specified rear C64 connector and the appropriate front cage-clamp termination units. The common local-I/O supply is 24 V DC within 20–33 V DC, and the front panel carries operation/fault LEDs and a T3.15H fuse; termination selection depends on the configured signal and redundancy arrangement.

05 DOCUMENT BASIS

ABB manufacturer documentation: 3BDH000734R1 CBC11-P AC870P.pdf. Selected source pages: 1, 2, 3, 4.

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