AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

RDCU-12C

RMIO-12C Drive Control Unit

TYPE	REFERENCE	FAMILY	SCOPE
RMIO-12C Drive Control Unit	**3AUA0000036521**	**ACS800**	**RDCU-12C hardware**

ABB RDCU-12C 3AUA0000036521 is a drive control unit built around the RMIO-12C board. It brings analog inputs, digital inputs and relay outputs together with optical communication and option-module connections, providing the control interface between an ACS800 converter and its external signals.

01 DOCUMENTED PRODUCT REFERENCE

Control board	RMIO-12C
External supply input	X34: 24 V DC +/-10%
Supply current	250 mA typical, no options; 1200 mA maximum with options
Analog input channels	3 differential: 1 voltage and 2 current
Analog voltage input	-10/0/2 to +10 V; input resistance 200 kohm
Analog current inputs	0/4-20 mA; input resistance 100 ohm
Analog outputs	2 channels; 0/4-20 mA; load up to 700 ohm
Digital inputs	6 programmable inputs plus DIIL; 24 V DC -15%/+20%

PPCS is not Ethernet. Current budgets and relay switching / continuous ratings remain distinct.

02 TECHNICAL DATA

Digital input thresholds	Low below 8 V; high above 12 V
Digital input hardware filter	1 ms
Relay outputs	3; maximum continuous current 2 A rms
Auxiliary output	24 V DC +/-10%; 250 mA maximum without options
PPCS optical link	10 MBd components; V57 transmit / V68 receive
Option connections	Slot 1: fieldbus/I/O/encoder; slot 2: I/O/encoder; DDCS position
Ambient temperature	Operating: 0 to +60 C; storage: -40 to +70 C

03 APPLICATION AND CONFIGURATION

- RDCU-12C and complete article identity
- SW TYPE, SW CODE and DEVICE TYPE labels
- X34 supply and fitted option load
- Signal assignments and recoverable settings
- Use the applicable manufacturer safety and installation instructions.

04 OFFICIAL DOCUMENTATION

ABB RDCU Hardware Manual, 3AFE64636324 Rev C

RDCU hardware data, pages 8-10. RDCU-12C / RMIO-12C identity is cross-checked against ACS800-67 Hardware Manual, page 73. Program and option conditions remain applicable.

Independently prepared Amikon reference summary, not an original manufacturer manual. Ratings apply only under their documented conditions. Confirm the supplied marking and approved configuration before selection, installation or replacement.

AMIKON PRODUCT SUPPORT

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