PS-AMC4 Cut Sheet

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ProductivityMotion 4-axis motion controller, 1 MHz maximum switching frequency, 24 high-speed input point(s), sinking, 4-channel, differential encoder input(s), 12 high-speed output point(s), sinking/sourcing, 4-channel, differential output(s).

For complete product information, please see this item on our store at the following link:

https://www.automationdirect.com/pn/PS-AMC4

Technical Specifications

Brand	ProductivityMotion
Item	4-axis motion controller
Maximum Switching Frequency	1 MHz
Number of High-Speed Capable Input Points	24
Nominal Input Voltage	5-24 VDC
Discrete Input Type	Sinking
Number of Non-Isolated Input Commons	4
Number of Input Channels	4
Encoder Input Type	line receiver (differential)
Number of High-Speed Capable Output Points	12
Nominal Output Voltage	5-24 VDC
Discrete Output Type	Sinking/sourcing
Number of Non-Isolated Output Commons	4
Load Current	50 mA/point
Number of Output Channels	4
Pulse Output Channel Type	line driver (differential)

Position Scaling	up to (4) quadrature (A and B with Z) encoder inputs
Frequency Measurement	up to (4) quadrature (A and B with Z) encoder inputs
Output Pulse Mode(s)	• up to (4) PTO linear step/direction outputs • up to (4) PTO rotary step/direction outputs
Axis Profile(s)	• relative/absolute positioning • velocity mode • trapezoid • jerk • registration • homing • jogging • electronic gearing • rotary table control • flying cutoff • motion sequence
External Power Requirement	24 VDC
For Use With	Productivity series CPUs with (2) Ethernet 10/100Base-T (RJ45) ports
Programming Software	Productivity Suite programming software v3.10 or later
Additional Information	P2000/P3000 CPUs can support up to (4) motion controllers, P1000 CPUs can support up to (1) motion controller

Agency Approvals

UL Listed File #	139594
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings

2D Drawing PDF Link:
https://cdn.automationdirect.com/static/drawings/PS-AMC4.pdf
See store item page for other formats.