

PS-AMC1 Cut Sheet



ProductivityMotion 1-axis motion controller, 1 MHz maximum switching frequency, 6 high-speed input point(s), sinking, 1-channel, differential encoder input(s), 3 high-speed output point(s), sinking/sourcing, 1-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-AMC1>

Technical Specifications

Brand	ProductivityMotion
Item	1-axis motion controller
Maximum Switching Frequency	1 MHz
Number of High-Speed Capable Input Points	6
Nominal Input Voltage	5-24 VDC
Discrete Input Type	Sinking
Number of Non-Isolated Input Commons	1
Number of Input Channels	1
Encoder Input Type	line receiver (differential)
Number of High-Speed Capable Output Points	3
Nominal Output Voltage	5-24 VDC
Discrete Output Type	Sinking/sourcing
Number of Non-Isolated Output Commons	1
Load Current	50 mA/point
Number of Output Channels	1
Pulse Output Channel Type	line driver (differential)

Position Scaling	up to (1) quadrature (A and B with Z) encoder input
Frequency Measurement	up to (1) quadrature (A and B with Z) encoder input
Output Pulse Mode(s)	<ul style="list-style-type: none">• up to (1) PTO linear step/direction output• up to (1) PTO rotary step/direction output
Axis Profile(s)	<ul style="list-style-type: none">• 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-AMC1.pdf>
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