

# PS-AMC3 Cut Sheet



ProductivityMotion 3-axis motion controller, 1 MHz maximum switching frequency, 18 high-speed input point(s), sinking, 3-channel, differential encoder input(s), 9 high-speed output point(s), sinking/sourcing, 3-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-AMC3>

## Technical Specifications

Brand	ProductivityMotion
Item	3-axis motion controller
Maximum Switching Frequency	1 MHz
Number of High-Speed Capable Input Points	18
Nominal Input Voltage	5-24 VDC
Discrete Input Type	Sinking
Number of Non-Isolated Input Commons	3
Number of Input Channels	3
Encoder Input Type	line receiver (differential)
Number of High-Speed Capable Output Points	9
Nominal Output Voltage	5-24 VDC
Discrete Output Type	Sinking/sourcing
Number of Non-Isolated Output Commons	3
Load Current	50 mA/point
Number of Output Channels	3
Pulse Output Channel Type	line driver (differential)

Position Scaling	up to (3) quadrature (A and B with Z) encoder inputs
Frequency Measurement	up to (3) quadrature (A and B with Z) encoder inputs
Output Pulse Mode(s)	<ul style="list-style-type: none"><li>• up to (3) PTO linear step/direction outputs</li><li>• up to (3) PTO rotary step/direction outputs</li></ul>
Axis Profile(s)	<ul style="list-style-type: none"><li>• relative/absolute positioning</li><li>• velocity mode</li><li>• trapezoid</li><li>• jerk</li><li>• registration</li><li>• homing</li><li>• jogging</li><li>• electronic gearing</li><li>• rotary table control</li><li>• flying cutoff</li><li>• motion sequence</li></ul>
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	<a href="#">View CE declarations</a>
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	<a href="#">View EU REACH document</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/PS-AMC3.pdf>  
See store item page for other formats.