

# P3-HSI Cut Sheet



Productivity3000 pulse input module, 1 MHz maximum switching frequency, 2 high-speed input point(s), 5-24 VDC, sinking/sourcing, 2-channel, differential and single-ended encoder input(s), 4 high-speed output point(s), 5-24 VDC, sinking/sourcing, external 24 VDC required.

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



<https://www.automationdirect.com/pn/P3-HSI>

## Technical Specifications

<b>Brand</b>	Productivity3000
<b>Item</b>	Input module
<b>I/O Module Type</b>	Pulse
<b>Maximum Switching Frequency</b>	1 MHz
<b>Number of High-Speed Capable Input Points</b>	2
<b>Nominal Input Voltage</b>	5-24 VDC
<b>Discrete Input Type</b>	Sinking/sourcing
<b>Number of Non-Isolated Input Commons</b>	1
<b>Number of Input Channels</b>	2
<b>Encoder Input Type</b>	<ul style="list-style-type: none"><li>• line receiver (differential)</li><li>• NPN open collector</li><li>• PNP open collector</li><li>• push-pull (totem)</li></ul>
<b>Number of High-Speed Capable Output Points</b>	4
<b>Nominal Output Voltage</b>	5-24 VDC
<b>Discrete Output Type</b>	Sinking/sourcing
<b>Number of Isolated Output Commons</b>	4

<b>Load Current</b>	0.5A/point
<b>High-Speed Counter(s)</b>	<ul style="list-style-type: none"><li>• up to (2) up counters</li><li>• up to (2) down counters</li><li>• up to (2) up/down counters</li><li>• up to (2) pulse/direction (bi-directional) counters</li><li>• up to (2) quadrature (A and B) counters</li><li>• up to (2) quadrature (A and B with Z) counters</li></ul>
<b>Position Scaling</b>	<ul style="list-style-type: none"><li>• up to (2) up counters</li><li>• up to (2) down counters</li><li>• up to (2) up/down counters</li><li>• up to (2) pulse/direction (bi-directional) counters</li><li>• up to (2) quadrature (A and B) counters</li><li>• up to (2) quadrature (A and B with Z) counters</li></ul>
<b>Table-Driven Input(s)</b>	<ul style="list-style-type: none"><li>• up to (4) programmable limit switches</li><li>• up to (4) preset tables</li></ul>
<b>Axis Profile(s)</b>	<ul style="list-style-type: none"><li>• linear mode</li><li>• rotary mode</li></ul>
<b>External Power Requirement</b>	24 VDC
<b>Requires</b>	ZL-RTB40(-1) ZIPLink connector module and ZL-CBL40-xS (-S, -1S or -2S) pre-wired shielded cables
<b>Programming Software</b>	Productivity Suite programming software v1.7 or later

## Agency Approvals

<b>UL Listed File #</b>	E157382
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	None
<b>RoHS Status</b>	Yes (See CE Doc)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>
<b>Other</b>	<a href="#">ABS Certification Document</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/P3-HSI.pdf>  
See store item page for other formats.