

# P2-HSI Cut Sheet



Productivity2000 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/P2-HSI>

## Technical Specifications

Brand	Productivity2000
Item	Input module
I/O Module Type	Pulse
Maximum Switching Frequency	1 MHz
Number of High-Speed Capable Input Points	2
Nominal Input Voltage	5-24 VDC
Discrete Input Type	Sinking/sourcing
Number of Non-Isolated Input Commons	1
Number of Input Channels	2
Encoder Input Type	<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>
Number of High-Speed Capable Output Points	4
Nominal Output Voltage	5-24 VDC
Discrete Output Type	Sinking/sourcing
Number of Isolated Output Commons	4

Load Current	0.5A/point
High-Speed Counter(s)	<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>
Position Scaling	<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>
Table-Driven Input(s)	<ul style="list-style-type: none"><li>• up to (4) programmable limit switches</li><li>• up to (4) preset tables</li></ul>
Axis Profile(s)	<ul style="list-style-type: none"><li>• linear mode</li><li>• rotary mode</li></ul>
External Power Requirement	24 VDC
Requires	ZL-RTB40(-1) ZIPLink connector module and ZL-CBL40-xS (-S, -1S or -2S) pre-wired shielded cables
Programming Software	Productivity Suite programming software v2.1 or later

## Agency Approvals

UL Listed File #	E139594
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>
Other	<a href="#">ABS Certification Document</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/P2-HSI.pdf>  
See store item page for other formats.