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Find the *Kollmorgen / Pacific Scientific P70360-SDN* at our website: *Click HERE*



P70360-SDN

GENERAL	
Family:	P7000 Series (Pac Sci)
Brand:	Pacific Scientific
Markets:	Semiconductor, Electronic assembly, Packaging, Medical
Regions Available:	North America, Europe, Asia
Type:	High performance AC Input microstepping drive for two phase step motors
Description:	The Pacific Scientific P70360-SDN step drive is Danaher Motion's latest introduction to the motion industry. This contained package accepts a step and direction input, is powered at 120 or 240 VAC and can be configured for up to 2.5 amps RMS/phase. The drive has up to 9 configurable inputs at 24 or 5 volt compatibility. A number of standard motor-drive combinations are easily configured via the DIP switch settings. The system also includes a Graphical User Interface which can be used to set up custom motors or fine-tune a number of enhanced features included in the package.
Number of Drive Axes:	1
Suggested Pacific Scientific and Superior Electric Motors:	T, N, and K
Suggested IDC Motors:	T, Note inductance Range
Compatible NEMA motor sizes:	23, 34, 42
Motor Inductance Range mH:	7 to 30 (160V Bus) and 50 to 200 (320V Bus)
Operating Modes:	Step and Direction
Interfaces:	RS-232, Graphical Interface, Dip Switches, ModBus
Commissioning Software:	Yes
Other Features:	Open Loop Stall detection, Smoothing Software, Anti-Resonance Software, Multi-stepping, Adjustable Speed and Acceleration
Option Availability:	Motion Node, Serial cable, Terminal Block Adaptor
Agency Ratings:	CE, cUR, UR

ELECTRICAL	
Power supply included:	Yes
Input AC Voltage Range VAC (L to L) single phase:	90 to 265
Line Frequency Hz:	50/60
Input Current A RMS/Ø:	1.5 (240VAC) 3.0 (120VAC)
Minimum Output DC Current A, peak:	0.48
Maximum Output DC Current A, peak:	3.5
Idle Current Reduction:	selectable 0 to 100 percent
Input Resolution Range:	200 to 50000 in increments of 200

STEP AND DIRECTION INPUTS	
Input Voltage VDC:	2.5-5.5, up to 24 with current limit resisitor

Input Current mA:	5 to 20
Setup Time for Direction µs:	55
Maximum Step Frequency MHz:	2

DIGITAL I/O

Optical Isolation:	yes
Dedicated Inputs:	Step, Direction, Enable
User-Defined Inputs:	9
Input Voltage VDC:	3.5 to 24
Dedicated Outputs:	Fault
User-Defined Outputs:	1
Current Sink @ ON state, Max. mA:	10
Output Voltage @ ON state and Max. sink current VDC:	0.4
Output Voltage @ OFF state VDC:	30

SHUTDOWN INPUT

Single-ended Mode Input Voltage VDC:	2.5-5.5 Vdc, up to 24 Vdc with current limit resisitor
Differential Mode VDC between + and -:	2.5-5.5 Vdc, up to 24 Vdc with current limit resisitor

ENVIRONMENTAL

Operating Ambient Temperature °C:	0 to 45
Storage Temperature °C:	-20 to 70
Maximum Relative Humidity % non condensing:	90
Altitude Above Sea Level km (ft):	1.5 (5000)

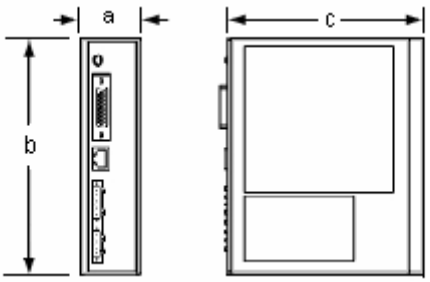
THERMAL CHARACTERISTICS

Cooling Method:	Convection and Integral Heat Sink
Heat Dissipation @ Full Rated Output Current watts:	23

MECHANICAL DATA

Weight kg (lb):	0.966 (2.1)

DIMENSIONS



Drive Width (a) mm (in.):	52.3 (2.06)
Drive Height (b) mm (in.):	170.2 (6.69)
Drive Depth (c) mm (in.):	132.2 (5.2)

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