

LW4D3070N2I1-00 Cut Sheet



Ever Motion Solutions DC open/closed loop advanced microstepping stepper drive, 10A per phase, 2-phase output, 24-75 VDC, bipolar, position mode, 200 to 65536 steps per revolution. Requires LW4D3KIT-C0 connector kit or LW4D3KIT-050 cable kit.

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



<https://www.automationdirect.com/pn/LW4D3070N2I1-00>

Technical Specifications

Brand	Ever Motion Solutions
Item	Stepper drive
Stepper Drive Type	Open/closed loop
Controller Type	Advanced microstepping
Voltage Type	DC
Amperage Rating	10A per phase
Number of Output Phases	2
Nominal Input Voltage	24-75 VDC
Winding Type Control	Bipolar
Output Type	MOSFET, dual H-bridge and bipolar chopper output
Current Control	4-state PWM at 40 kHz
Steps per Revolution	200 to 65536
Encoder Output	No
Communication Port and Connection Type(s)	(1) RS-485 (4-pin terminal)
Port Protocol(s)	Ever Service protocol
Port Speed(s)	up to 19.2k baud
Temperature Rating	5 to 40 deg C
Enclosure Type	Enclosed
IP Rating	IP20
Mounting	Panel
Control Mode	Position
Command Signal(s)	<ul style="list-style-type: none">• step and direction• CW/CCW• A/B Quad
Stall Detection	Yes
Number of Discrete Input Points	1
Discrete Input Type	Sinking/sourcing/line driver (differential)
Number of Discrete Output Points	2
Discrete Output Type	Sinking/sourcing
Tuning Mode	Pre-tuned or optional configuration software

Idle Current Reduction	Yes
Drive Features	Sinusoidal current control (quiet operation), anti-resonance (electronic damping) and auto motor matching (self-configuration)
Protection Type(s)	<ul style="list-style-type: none">• overvoltage• undervoltage• overcurrent• motor phase wiring error• motor overload• over-temperature
Configuration	Rotary dial, dipswitches or optional configuration software
Requires	LW4D3KIT-C0 connector kit or LW4D3KIT-050 cable kit
Additional Information	Optional LW4D3KIT-050 connection cable kit, LW4D3KIT-C0 connector kit and EVER-PGM-1 programming cable available for software configuration

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Agency Approvals

UL Listed File #	None
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Meets RoHS Chemical Restrictions - No CE (See RoHS Statement Below)
EU REACH	View EU REACH document
Other	RoHS Statement

Dimensional Drawings



2D Drawing PDF Link:
[https://cdn.automationdirect.com
/static/drawings/2d/LW4D3070N2I1-00.pdf](https://cdn.automationdirect.com/static/drawings/2d/LW4D3070N2I1-00.pdf)
See store item page for other formats.
