



DCM4826 IDEA® Stepper Motor Drive

AMETEK

Pulse & Direction Communication

Can control both rotary stepper motors and stepper motor based linear actuator systems using a simple pulse, direction, and enable signal from a stepper motor control board. Input voltage to the drive is 12-48 VDC.

Provides a load current of 2.6A rms per phase. PDE signals are optically isolated from the rest of the drive, providing the ability to reference a separate electrical ground.

- RS485 communication protocol
- Compact size: 2.36" x 2.52" x 1.35" (60mm x 64mm x 34.4mm)

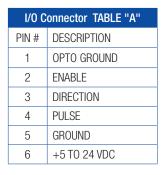
Specifications Drive Input Voltage Range 12 to 48 VDC Max Drive Current / Phase 2.6 A rms Step Modes Full, Half, 1/4, 1/8, 1/16, 1/32, 1/64 Communication RS485 Digital Inputs Voltage Range 0 to 24 VDC Digital Input Maximum Current 35 mA (each) Digital Input Minimum Pulse Width 5 µs Maximum Pulse Input Frequency 100 Khz (0-5 V Square Wave) Maximum Temperature 70°C (Measured at heat sink)

Simple to use software IDEA® Drive Software

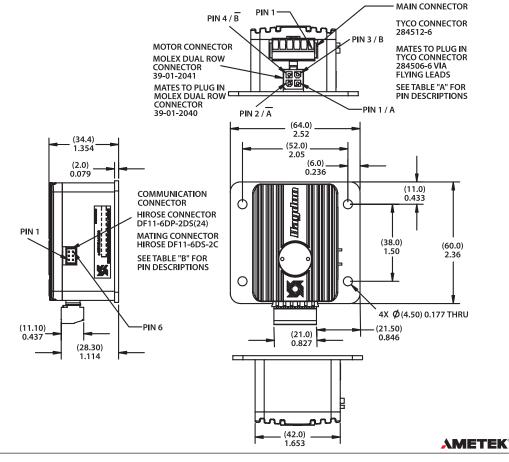
With on-screen buttons and easy to understand programming guides. The software program generates motion profiles directly into the system and also contains a "debug" utility allowing line-by-line execution of a motion program for easy troubleshooting.



Dimensional Drawing



Communication Connector TABLE "B"	
PIN#	DESCRIPTION
1	Y / NON-INVERTING DRIVER OUTPUT
2	Z / INVERTING DRIVER OUTPUT
3	GROUND
4	GROUND
5	A / NON-INVERTING RECEIVER INPUT
6	B / INVERTING RECEIVER INPUT



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