



Schneider Electric Motion USA

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MDrive® motor+driver

Products

MDrive® motor+driver

- MDrivePlus
- MDrive Ethernet Products
- MDrive Hybrid
- MDrive linear actuators

Discrete drivers

- MForce
- Panel mount drivers
- PCB mount drivers

Stepper motors

- Rotary

MDrive® Plus version comparison

Standard NEMA sizes and holding torque range



Feature comparison

	Step/direction input	Motion Control	CANopen	EtherNet/IP
Sizes available	Size 14 to Size 34ac	Size 14 to Size 34ac	Size 14 to Size 34ac	Size 23
Communication interface	SPI	RS-422/485, Ethernet for size 23 only	CANopen	EtherNet/IP
Operating modes	Parameters software configurable	Fully programmable	Intelligent node (slave) in a master-slave network	Parameters software configurable
Dependencies	Controller or PLC required	May stand alone or interoperate with a PLC and/or other MDrives	CANopen master required	Controller or PLC required
I/O points	Step and direction inputs, enable input	Plus 4 programmable I/O points, analog input Plus² expanded features 8 programmable I/O points, analog input, step and direction I/O, capture/trip I/O, remote encoder optional (remote encoder eliminates some available I/O)	Plus² expanded features 8 programmable I/O points, analog input, step and direction I/O, capture/trip I/O, remote encoder optional (remote encoder eliminates some available I/O)	Plus² expanded features 4 programmable I/O points, analog input, step and direction I/O, capture/trip I/O, remote encoder optional (remote encoder eliminates some available I/O)
Closed Loop	No	Through optional internal encoder or remote encoder (remote encoder on Plus ² only)	Optional encoder for position monitoring only	Optional internal encoder
Included software	GUI for parameter setup	ANSI Terminal integrated with full featured program editor	GUI for desktop testing with MD-CC500-000 cable only	GUI for parameter setup
Firmware upgradeable	Yes, through included software only			
Quick Start kit with all required cabling available	Yes	Yes	No	Yes
External hardware required for setting current, step resolution	No, all parameters set in software, storable to nonvolatile memory (NVM)			

