



MYACTUATOR MC Series Servo Motor User Manual

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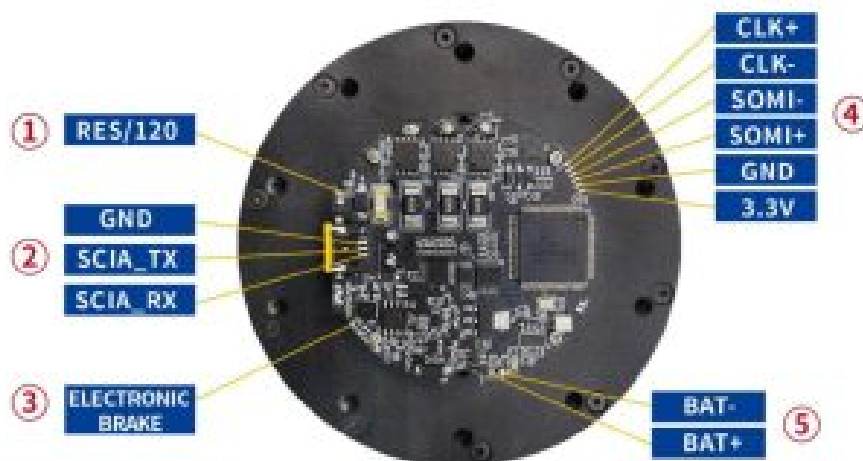


MC Series Servo Motor Driver Manual VersionV2.1

The MC series driver is a new generation of high-performance brushless servo driver launched by MyActuator, which can be widely used to drive various BLDC/PMSM motors. This series is MyActuator Intelligent based on years of low-voltage DC servo market experience and combined Various types of customer demand feedback. The drive includes various features, such as: power-off memory to realize data recording under power-off conditions; bus current sampling: real-time knowledge of the current-torque relationship and precise control of the torque output. At the same time, we match the friendly visual graphical interface for the new driver, which is convenient for users to quickly familiar with the product features. For more product information and user experience, please contact your dedicated technical consultant.

Driver Hardware Description

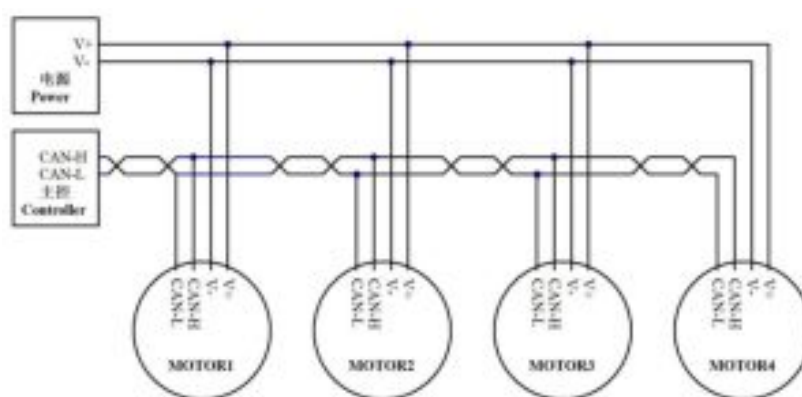
Schematic Diagram of Size and Interface



Serial Number	Function Name
1	Read and write control loop KP&KI parameters
2	Read and write motor acceleration
3	Read and write encoder data
4	Read motor status and errors
5	Motor off command
6	Motor stop command
7	Motor running command
8	Torque close loop control
9	Speed close loop control
10	Position close loop control
11	Read input power value
12	Read Battery voltage
13	Torque feed forward function (applicable to robotic arm)
14	System reset command
15	Brake opening and closing
16	CAN ID setting and reading

Control Circuit Connection

Principle Block Diagram



Note: Both ends of the bus need to be connected to 120-ohm terminal resistance

Schematic Diagram of Physical Connection

- Connect via serial port with actuator GUI 2.1



- Connect by CAN bus



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