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INDUSTRIAL PRODUCT DATASHEET

Myactuator X4-10 1:12.6 Motor CAN

Myactuator X4-10motor is a highly-integrated planetary actuator module that includes frameless torque motor, absolute encoder, driver circuitry and planetary reducer.

SKU	UPDATED	PRICE
114090069	2026-11-11 09:19:42	$345.00(Excl. VAT)



Overview



Myactuator X4-10motor is a highly-integrated planetary actuator module that includes frameless torque motor, absolute encoder, driver circuitry and planetary reducer. The module has 1:12.6 gear ratio, with 10 N.m peak torque. The module is perfect for rotobticsapplications such as robot arm and humanoid robots. It can be controlled through CAN interface.

Key Features

01 **Highly-integrated**

Includes frameless torque motor, absolute encoder, driver circuitry and planetary reducer

02 **Simple connection Needs only one XT30(2+2) cable for power connection and control communication (CAN) interface**

03 **Dual Encoder**

Enables multi-turn position recognition

04 **Battery power compatible Could be used in 24V battery-powered system**

05 **Daisy-chain capable Can connect multiple actuator modules in series usingXT30cablesfor robotics applications**

Product Gallery







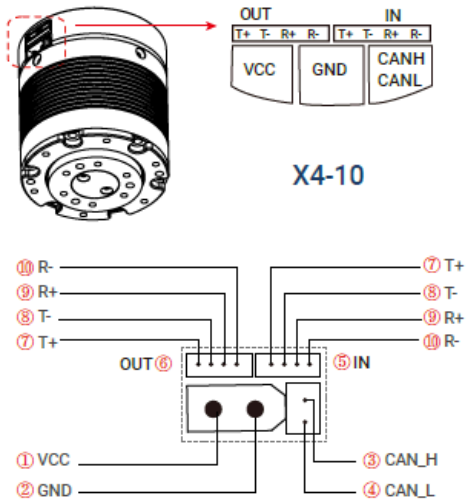




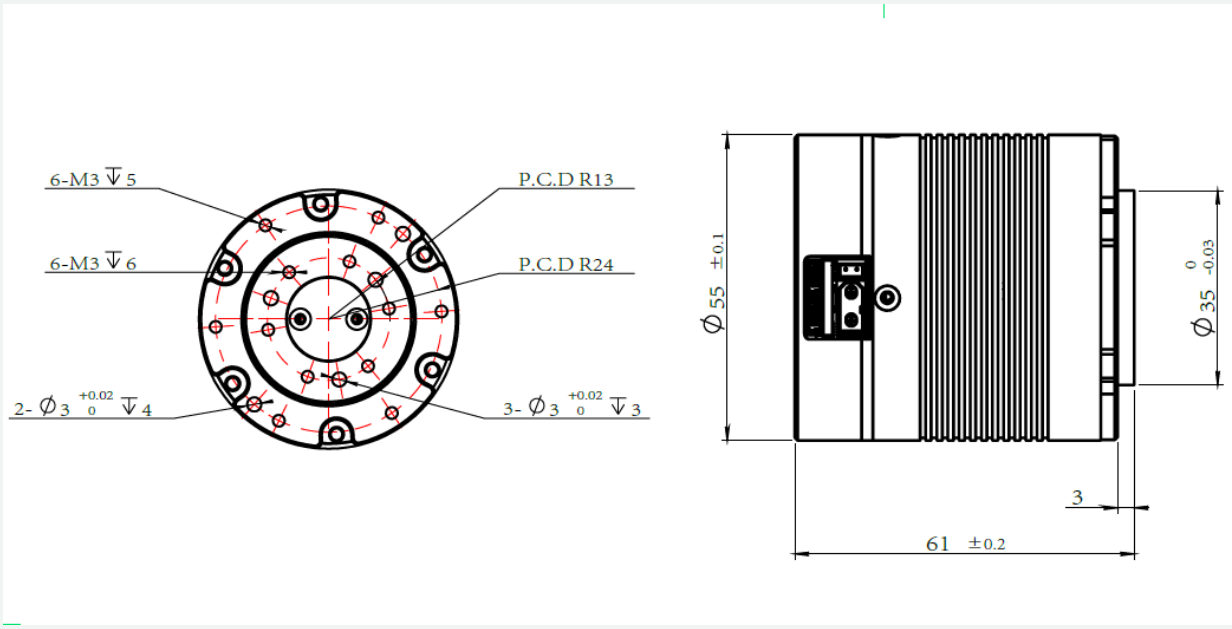


Hardware Overview

X4-10 Interface Description



Port Definition	Port Description
① VCC	Positive Power Supply
② GND	Negative Power Supply
③ CAN_H	CAN_H Network Information Terminal
④ CAN_L	CAN_L Network Information Terminal
⑤ EtherCAT_IN	EtherCAT Input
⑥ EtherCAT_OUT	EtherCAT Output
⑦ T+	The master station sends control commands to the module
⑧ T-	The module sends status feedback to the master station
⑨ R+	The master station feedbacks the module status data
⑩ R-	The module reflects the control commands of the master station



Applications

- **Robot Arm**
- **Please contact customer service for arm's reference design (STEP file) after purchase**

Resource Links

- https://www.seeedstudio.com/Myactuator-X4-P12-5-10-Planetarty-Actuator-p-6470.html
- Datasheet
- User Manual
- Control Protocol

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