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INDUSTRIAL PRODUCT DATASHEET

RobStride EduLite 05 QDD 6N.m integrated actuator module

RobStride EduLite 05 QDD 6N.m integrated actuator module: Cost-effective, highly-integrated solution with 6 N.m peak torque, dual 14-bit encoders, and 15-60V compatibility for education and development.

SKU	UPDATED	PRICE
100060739	2026-07-08 08:38:50	$80.00(Excl. VAT)



Overview



The RobStride EduLite 05 QDD 6N.m integrated actuator module is a highly-integrated, cost-effective solution for developers and educational users, featuring motor, driver, planetary reducer, and dual 14-bit magnetic encoders in a compact design. It operates with wide voltage compatibility (15-60V, rated 48V) and provides 6 N.m peak torque with a 9:1 reduction ratio using powder metallurgy gears.

Key Features

- **Highly-integrated** Includes motor, driver circuitry, planetary reducer, and dual magnetic encoders in a compact 3-in-1 design
- **Education Focused** Specifically optimized for developers and educational users, offering a cost-effective solution ($80) for robotic learning
- **Dual Encoder** Features 14-bit dual magnetic encoders for precise position recognition and control
- **Wide Voltage Compatibility** Supports 15-60V input range (Rated 48V), adaptable to various power supply systems
- **High Torque Output** Delivers 6 N.m peak torque with a 9:1 reduction ratio using powder metallurgy gears

Product Gallery





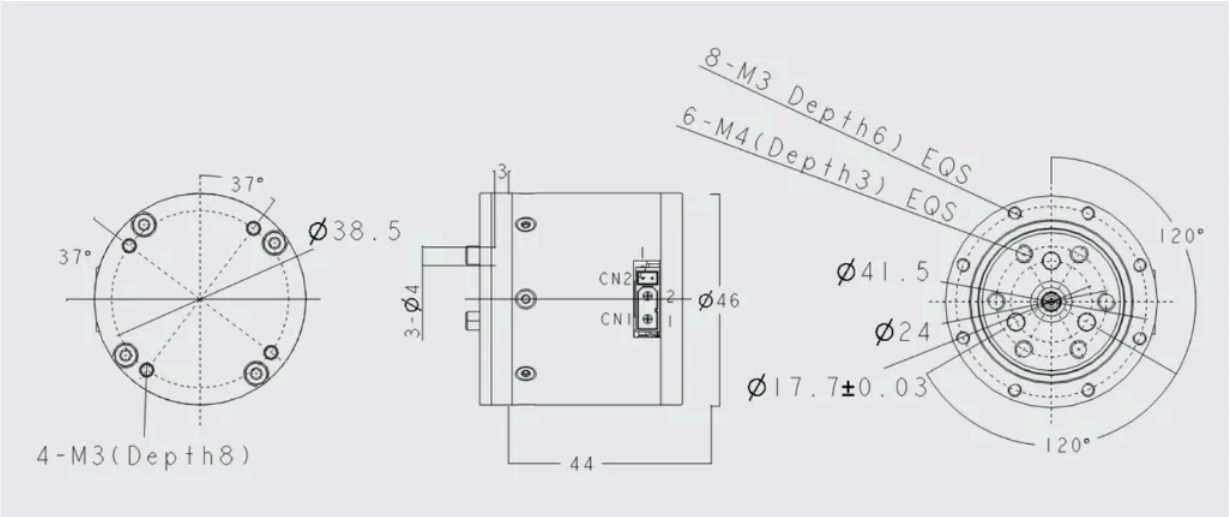


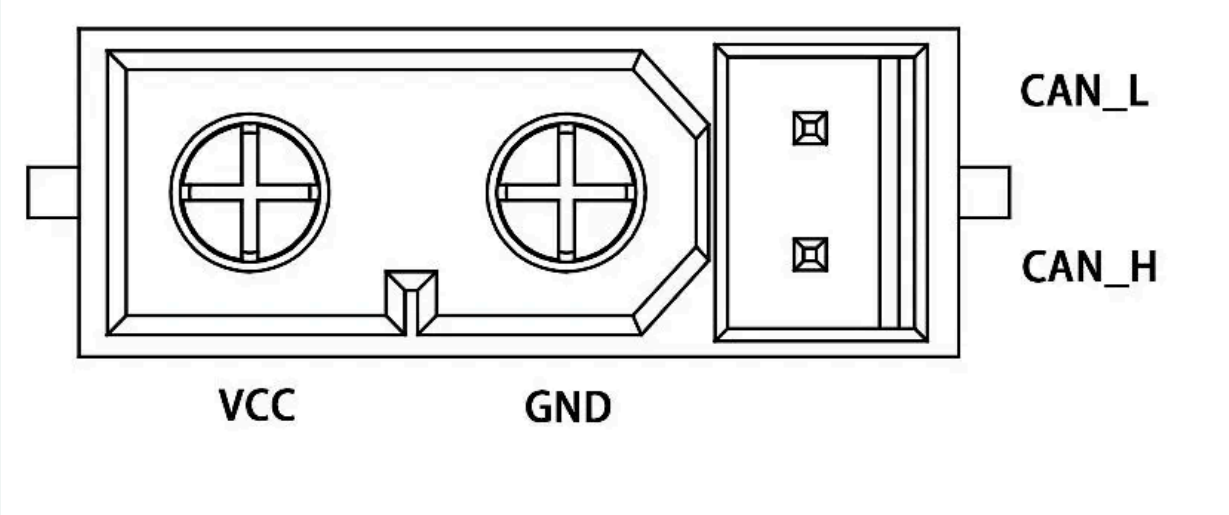


Specification

Product	RobStride EduLite 05 Motor
Voltage Range	15-60V
Operating Temperature	-20℃~50℃
Mechanical Dimension	46mm x 46mm x 44mm
Communication Interface	CAN
Gear Ratio	1:9
Rated Output Power	19 W
Rated Torque	1.8 Nm
Peak Torque	6 Nm
Pole pair	10

Hardware Overview





Part List

RobStride EduLite 05 Motor	x1
XT30(2+2) Cable	x1

Compliance & Logistics

HSCODE	8501310000
USHSCODE	8501316000
UPC	
EUHSCODE	8501109390
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Robostride-05-Edulite-Actuator-p-6667.html
- Datasheet
- User Manual
- 3Dmodel
- wiki

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