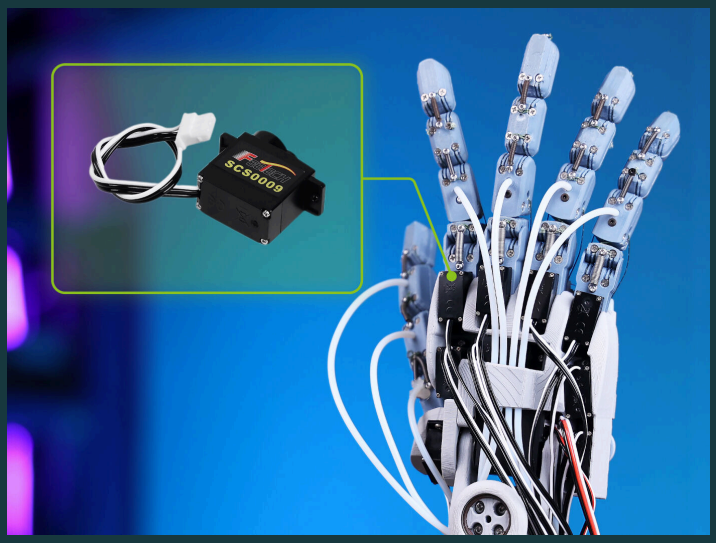
seeed studio

INDUSTRIAL PRODUCT DATASHEET

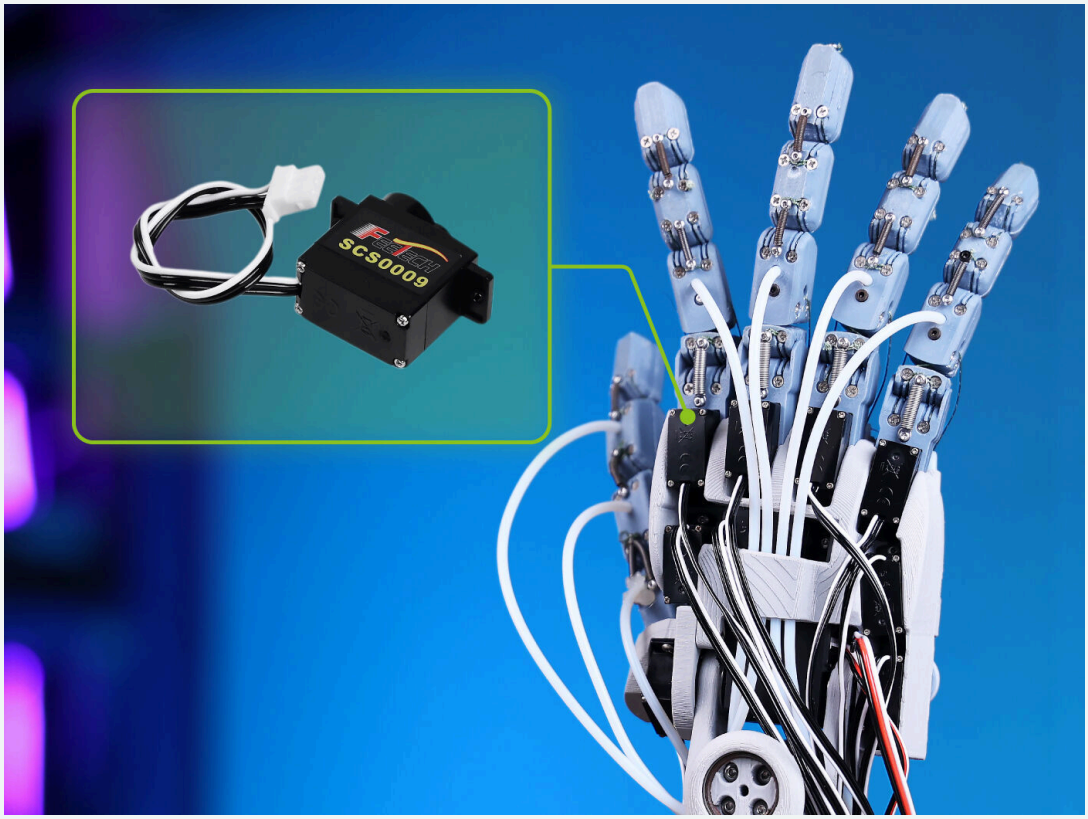
Feetech SCS0009 Ultra-Compact Servo 6V 2.3kg for Amazing Hand and HopeJR

Ultra-compact 6V 2.3kg servo with metal gears, 10-bit encoder, and TTL serial interface for DexterousHand and HopeJR applications.

SKU	UPDATED	PRICE
100067882	2026-07-08 08:40:36	$9.00(Excl. VAT)



Overview



The Feetech SCS0009 Ultra-Compact Servo (6V, 2.3kg) is designed for robotics requiring a compact footprint, such as micro robot joints and dexterous hands like the DexterousHand and HopeJR. It features a metal gearbox with 1:416 reduction, 1024-step 10-bit encoder for precise closed-loop control, rich real-time feedback (position, speed, voltage, current, temperature, load), and TTL serial communication daisy-chainable via a single 3-pin wire.

Key Features

- **Ultra-Compact Size** Suitable for robotics applications that requires compact footprint, such as microrobot joints and dexterous hands
- **Metal Gearbox** Includes 1:416 gear reduction ratio metal gearbox
- **Rich output** Provides real-time feedback of position, speed, voltage, current, temperature, and load
- **10-bit encoder** Provides 1024-step resolution for precise closed-loop control
- **TTL Serial** Communicates through serial connection that can be daisy-chained with a single 3-pin wire

Product Gallery











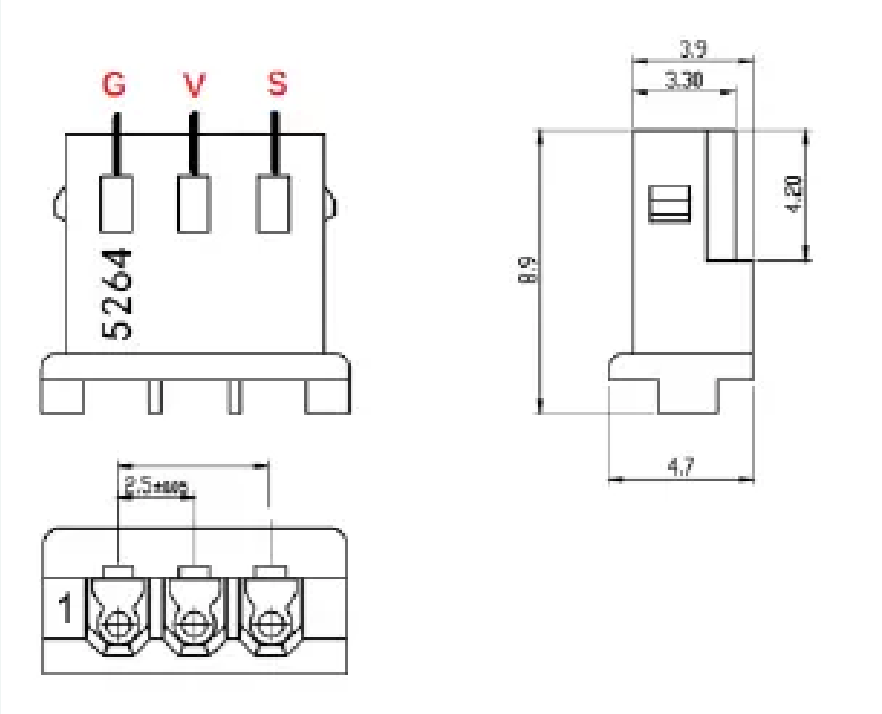


Specification

Product	Feetech SCS0009
Voltage	4V ~ 7.4V
Operating Temperature	-20℃~60℃

Mechanical Dimension	23.2mm x 12.1mm x 25.25mm
Communication Interface	Serial

Hardware Overview



Applications

- **DexterousHand**
- **Hope JR**

Part List

SCS0009 Servo	x1
Servo Horn	x3
Screw	x3
JST Wire	x1
JST Board	x1

Compliance & Logistics

HSCODE	8501109990
USHSCODE	8501106080
UPC	
EUHSCODE	8501109390
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Feetech-SCS0009-Servo-p-6535.html
- Datasheet
- Github
- Modbus-RTU Protocol

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com