SAC-S

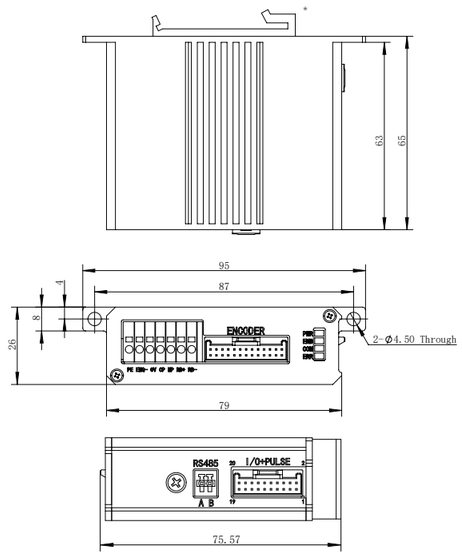
Single Axis Controllor

Selection Method

Series	Type	Communication interface	Voltage	Rated Current	Encoder
SAC	S	M1	K	03	A1

- **S** Simple
- **M1** ModbusRTU (RS485)+IO(NN)
- **M2** ModbusRTU (RS485)+IO(PP)
- **K** 24V
- **03** 3A
- **A1** Incremental ABZ+ Single-Turn Absolute SSI

TECHNICAL SPECIFICATIONS



*Guide rail clips are industry standard size and can be removed when installed with screws

Technical Parameters

Number of controllable axes	1
Support control methods	I/O, Pulse(24V), ModbusRTU RS485
Number of points	16
I/o and pulse connection holder	20PIN Connector
Number of i/o	8 in 8 out
Debugging protocols	RS485(Modbus-RTU)
Pulse type	Opticalcoupler
Max. Pulse frequency	100 Kpps
Brake control	Support
Force-controlled Closed-loop control	Support

Operating Environment

Input voltage	24 V DC ± 10%
Output current	3 A(Rated)/9 A(Peak)
Recommended operating Environment	0 to 40°C, below 85% RH
Ip class	IP 20
Weigh	150 g

Interface Diagram

1 I/O and Pulse(24V) Interface:
20-Pin Terminal Block, including I/O interfaces and pulse (24V) input interfaces.

2 RS485 Interface:
Used for debugging, control, and monitoring.

3 Indicators:
Power indicator and status indicator.

4 Actuator Interface:
Connects to the actuator of the electric cylinder, including motor power line, encoder line, and brake line interfaces.

5 Power Supply, Discharge, Emergency Stop, and PE Interface:
Logic Power Supply Interface: Supplies power to internal logic circuits, brake, and some external interfaces.
Motor Power Supply Interface: Supplies power to the motor for motion.
PE (Protective Earth) Interface: Connects to the equipment's protective earth (ground) connection.