

SAC-NP4

Four-axis Drive

TECHNICAL SPECIFICATIONS

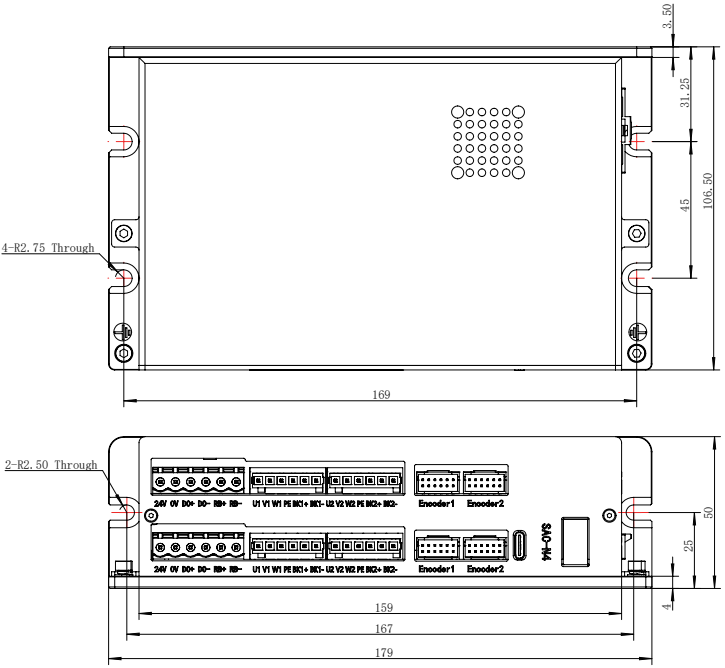
Technical Parameters

Controlled axis	4
Supported control methods	EtherCAT, IO
EtherCAT control modes	Position Mode, Velocity Mode, Torque Mode, and Hybrid Mode
Power supply voltage	24 V
Motor voltage	24 V / 48 V
Model	SAC-NP4-EC-U-03A3-03A3-03A3-03A3 SAC-NP4-EC-U-10A3-10A3-10A3-10A3 SAC-NP4-EC-U-03A4-03A4-03A4-03A4 SAC-NP4-EC-U-10A4-10A4-10A4-10A4

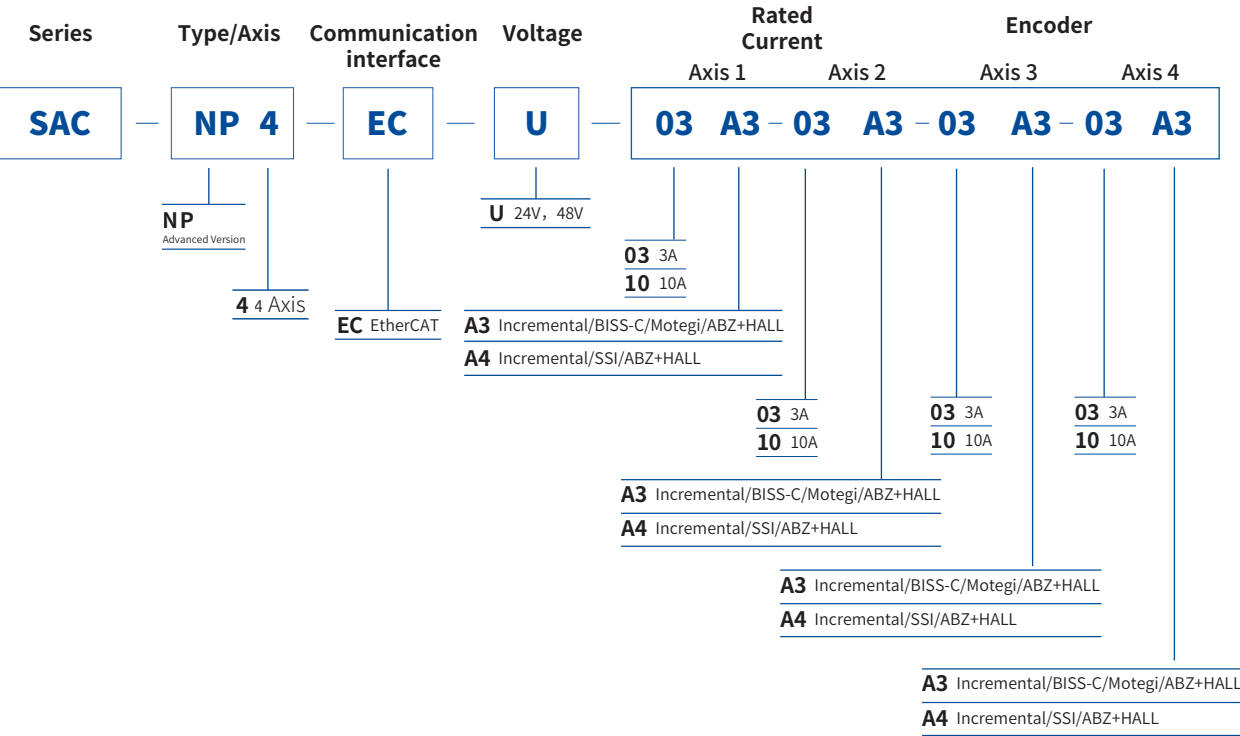
Encoder	A3 Incremental / BiSS-C/Motegi/ABZ+HALL A4 Incremental/SSI/ABZ+HALL
Output rated current	3 A 10 A
Output peak current	9 A 30 A
Power supply voltage	24 V, 72 W 24 V, 240 W 48 V, 144 W 48 V, 480 W
Limit Switch, home position, probe	Supported
Size	179 mm × 119.3 mm × 50 mm

Operating Environment

Overload	3 times overload for more than 2.5 seconds
Minimum etherCAT period	200 us
Filters	4 or more
Closed-loop control	Supported
Gantry control	Synchronized in nanoseconds
High-precision encoder and sampling	Supports 23-bit resolution
Auto-tuning gain	Supported
Protection	Overcurrent, Overvoltage, Overheating protection; STO (Safe Torque Off) function
Speed loop response	3.5 KHz
Weight	< 0.6 KG
Protection Level	IP20
Operating Temperature	0~55 °C



Selection Method



Interface Diagram

