

SW5A5080H221-30 Cut Sheet



Ever Motion Solutions AC open/closed loop microstepping stepper drive, 8A per phase, 2-phase output, 85-120 VAC (24 VDC control power), bipolar, torque, velocity and position mode, 200 to 65536 steps per revolution, EtherCAT. Requires separate connector kit or cables.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/SW5A5080H221-30>

Technical Specifications

Brand	Ever Motion Solutions
Item	Stepper drive
Stepper Drive Type	Open/closed loop
Controller Type	Microstepping
Voltage Type	AC
Amperage Rating	8A per phase
Number of Input Phases	1
Number of Output Phases	2
Nominal Input Voltage	85-120 VAC (24 VDC control power)
Winding Type Control	Bipolar
Output Type	MOSFET, dual H-bridge and bipolar chopper output
Current Control	4-state PWM at 40 kHz
Steps per Revolution	200 to 65536
Communication Port and Connection Type(s)	<ul style="list-style-type: none">• (2) Ethernet 100Base-TX (RJ45)• (1) RS-485 (RJ11)
Port Protocol(s)	<ul style="list-style-type: none">• EtherCAT Slave• Ever Service protocol
Port Speed(s)	up to 19.2k baud
Temperature Rating	5 to 50 deg C
Enclosure Type	Enclosed
IP Rating	IP20
Mounting	Panel
Control Mode	Torque, velocity and position

Command Signal(s)	EtherCAT CoE (DS402)
Stall Detection	Yes
Number of Discrete Input Points	4
Discrete Input Type	Sinking/sourcing/line driver (differential)
Number of Discrete Output Points	3
Discrete Output Type	Sourcing
Tuning Mode	On-line auto/off-line auto/manual
Idle Current Reduction	Yes
Drive Features	Sinusoidal current control (quiet operation), anti-resonance (electronic damping), auto-tuning, errorless servo efficient (ELSE), electronic CAM and STO
Protection Type(s)	<ul style="list-style-type: none">• overvoltage• undervoltage• short circuit• overcurrent• motor phase wiring error• motor overload• over-temperature
Configuration	EtherCAT master or optional configuration software
Additional Information	Optional EVER-PGM-2 programming cable available for software configuration

Agency Approvals

EU REACH	View EU REACH document
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Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/2d/SW5A5080H221-30.pdf>
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