

SW3A9030H241-21 Cut Sheet



Ever Motion Solutions AC open loop microstepping stepper drive, 3A per phase, 2-phase output, 100-240 VAC, bipolar, 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/SW3A9030H241-21>

Technical Specifications

Brand	Ever Motion Solutions
Item	Stepper drive
Stepper Drive Type	Open loop
Controller Type	Microstepping
Voltage Type	AC
Amperage Rating	3A per phase
Number of Input Phases	1
Number of Output Phases	2
Nominal Input Voltage	100-240 VAC
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 40 deg C
Enclosure Type	Enclosed
IP Rating	IP20
Mounting	Panel

Control Mode	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	2
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) 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	Optional configuration software
Requires	Separate connector kit or cables
Additional Information	Optional EVER-PGM-2 programming cable available for software configuration

Agency Approvals

UL Listed File #	None
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document
Other	RoHS Statement

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/2d/SW3A9030H241-21.pdf>
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