

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.

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	Control Mode	Velocity and position
Item	Stepper drive	Command Signal(s)	EtherCAT CoE (DS402)
Stepper Drive Type	Open loop	Stall Detection	Yes
Controller Type	Microstepping	Number of Discrete Input Points	4
Voltage Type	AC	Discrete Input Type	Sinking/sourcing/line driver (differential)
Amperage Rating	3A per phase	Number of Discrete Output Points	2
Number of Input Phases	1	Discrete Output Type	Sourcing
Number of Output Phases	2	Tuning Mode	On-line auto/off-line auto/manual
Nominal Input Voltage	100-240 VAC	Idle Current Reduction	Yes
Winding Type Control	Bipolar	Drive Features	Sinusoidal current control (quiet operation), anti-resonance (electronic damping), auto-tuning, errorless servo efficient (ELSE) and STO
Output Type	MOSFET, dual H-bridge and bipolar chopper output	Protection Type(s)	<ul style="list-style-type: none">• overvoltage• undervoltage• short circuit• overcurrent• motor phase wiring error• motor overload• over-temperature
Current Control	4-state PWM at 40 kHz	Configuration	EtherCAT master or optional configuration software
Steps per Revolution	200 to 65536	Additional Information	Optional EVER-PGM-2 programming cable available for software configuration
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		

Agency Approvals

EU REACH	View EU REACH document
-----------------	--

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/2d/SW3A9030H241-21.pdf>
See store item page for other formats.