



- ## Ordering Information

* For detailed ordering information, please contact our sales staff or view the user manual.

Last Updated: August 27, 2024

Specifications

Stepper Motor	
Interface	EtherCAT
Drive Profile	CiA402, G-code
Minimum Communication Cycle	125 µs
Synchronization Mode	DC, SM2, FreeRun
Compatible Operation Mode	Profile Position (pp) Homing (HM: Support Method 19, 20, 21, 22) Cyclic Synchronous Position (csp) Cyclic Synchronous Velocity (csv)
Number of Motors	3 x Stepper Motors (2-phase bipolar stepper motor)
Output Current	Max. 4.84A, peak 5.0A
Voltage Requirement	+8 to +42VDC
Step frequency	200KHz
Microsteps	Max. 16 per step
Digital Inputs	3 x home switch & Emergency Stop Input
Isolation Voltage Protection	2500 Vrms
Encoder	
Encoder Inputs	3 x Encoder counter (A, B, Z), differential
Maximum Encoder pulse frequency	14 MHz
Encoder Power supply	5V
Encoder Type	AB Phase, CW/CCW, STEP/DIR
General	
Connector	Push-in Terminal (Euroblock)
Protocol	EtherCAT (RJ-45 x 2)
Ethernet Standard	IEEE 802.3
Transmission Rate	100Mbps
Power Connector	4-pin Power Input/Output & 2-pin FGND
Power Requirement	+19 to +36VDC Power Input (Typ. +24VDC@300mA)
Power Consumption	Min. 7.2 W
LED Indicator	PWR, RUN, LINK, ERROR, Alarm, Home, Motor
Certifications	CE, FCC, VCCI
Environment	
Operating Temperature	-20 to +70 °C
Drive Protection	Thermal shutdown (TSD) circuit Under voltage lock out (UVLO) circuit Over-current detection (ISD) circuit
Hardware	
Dimension	107.45 x 66 x 30mm (Without DIN-Rail)
Weight	370 g
Installation	DIN rail
Internal Monitoring	Temperature, Voltage, Current, Startup time